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HANG ME

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Established 1885

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U. S. Department of Agriculture.

LILLY'S SEEDS

Wash.

1922

SEATTLE PORTLAND

DEALER'S COPY

Nothing is more pleasing to the eye than green grasses kept finely shorn.—*Bacon.*

Beautiful Lawns

What Can I Do to Make a Green Velvety Lawn?

This, in some form or other, is the question that is asked by 90 per cent of all who take an interest in their gardens and wish to possess a lawn of satisfactory appearance. It is the common question, too, that is asked by every one as soon as he begins to take an interest in the grounds surrounding his home. Although there are many things that enter into the making of a good lawn, THE MOST ESSENTIAL IS SUITABLE SEED, for without good seed all your labor is wasted. THE ANSWER IS BELOW.

LILLY'S

IMPORTED LAWN SEED

This mixture is composed of the very finest growing grasses which have been carefully chosen to suit the climatic and soil conditions on the Pacific Coast and will produce a firm, velvety, rich green turf of uniform color, which will remain green all the year.

It is the result of many years' practical experience and the best that money can buy.

Price, 1 lb., **45c**; 4-lb. package, **$1.60.** (Subject to change.) Postage additional.

LILLY'S

NONPAREIL LAWN SEED

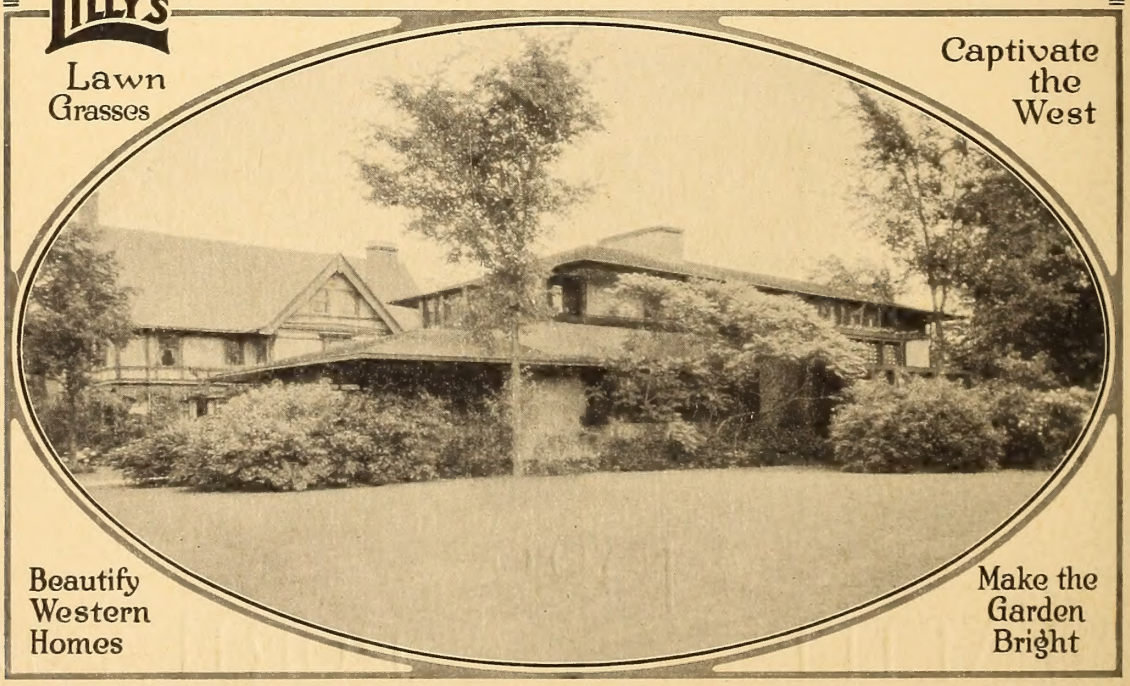
Standard for the Northwest

Nonpareil Lawn Grass Seed is a mixture of many suitable hardy grasses; scientifically selected to produce a green lawn all the year, and form a thick, matted turf with roots reaching far into the ground to withstand drought and prevent heaving in winter. Especially adapted to the Pacific Coast. It contains White Clover to make a quick showing and act as a nurse crop for the grasses.

The grasses are not so fine as those in our Imported Lawn Grass Mixture, but will produce a splendid lawn with less care, and is recommended where endurance is desired. One pound of seed is sufficient for about three hundred square feet of new lawn, or to renew about six hundred square feet of old lawn.

Price, 1 lb., 40c; 5 lbs. or more, 35c per lb. (Subject to change.) Postage additional.

For practical advice on Lawn making, see Lilly's Crop Book—Free with orders on request.



Lilly's "Morcrop" is the best fertilizer for Lawns. Keeps the grass green. See inside back cover.

LILLY'S

Established 1885

SEATTLE

MAIL ORDER FORM

No. .....

Date .....

Name .....

R. F. D. No. .....

Post Office ..... State ..... Box No. .....

Station ..... County ..... Is there an agent here .....

Ship by (Mail, Express or Freight) .....

☞ PLEASE WRITE NOTHING BUT THE ORDER AND SHIPPING INSTRUCTIONS ON THIS SHEET

We exercise every precaution to grow and secure only the best seeds, but give no warranty express or implied, as to description, productiveness or other matter of any seeds, plants or bulbs sent out and will not be in any way responsible for the crops. If the purchaser does not accept goods on these terms they are to be returned at once.

CUSTOMER Leave Blank	QUANTITY Packets, Ozs. Lbs.	NAME OF SEEDS, ETC., REQUIRED	LOT NO.	PRICE RATE	EXTENSION OF COST	

CUSTOMER Leave Blank	QUANTITY Packets, Ozs. Lbs.	NAME OF SEEDS, ETC., REQUIRED	LOT NO.	PRICE RATE	EXTENSION OF COST

Packages *Boxes* *Bags* *Bbls.*

TOTAL AMOUNT REMITTED

LILLY'S

"SUPER-SPECIALS"

For Your Garden

THE undernoted varieties of choice Vegetable Seeds are *Extra Selected Strains*—a distinct advance in their respective classes which should be grown by every Western Gardener who wants the best. *Full descriptions and prices will be found in alphabetical order on pages 3 to 32.*

BEANS

Jones' Stringless
A delicious yellow podded, dwarf variety.

BEET

Crimson Globe
The finest Beet for the home garden.

SWISS CHARD
(Spinach or Sea Kale Beet.)

Giant Lucullus
The newest, largest and best variety.

CABBAGE

Copenhagen Market
A wonderful Cabbage.

Glory
A splendid variety; round, solid heads.

CAULIFLOWER

Early Alba
Unequalled for early or main crop; for home or market.

CARROT

Golden Half Long
Finest main crop Carrot

CELERY

Paris Golden Yellow
A very desirable sort.

CUCUMBER

Pride of the Pacific
A highly improved strain.

SWEET CORN

Golden Giant
A brand new early variety.

LETTUCE

New York or Wonderful
A mammoth head lettuce.

MUSK MELON

Pollock 10-25
The largest and most successful of any Musk Melon.

ONION

Longkeeper
Has marvelous keeping qualities.

PARSNIP

Palo Alto
The flesh is white and of fine texture, tender, free from core and stringless.

PEAS

Washington Wonder
Favorite extra early dwarf wrinkled.

Lincoln
A dwarf main crop pea of fine quality.

RADISH

Crimson Giant
King of all early Radishes.

White Icicle
An early long white Radish.

SQUASH

Hubbard
Unequalled for winter use.

TOMATO

Puget Sound Special
A splendid extra early Tomato.

SWEET PEAS

Mixed Spencer
A superb mixture of best giant waved varieties.

THE CHAS. H. LILLY CO.
ESTABLISHED 1885
SEATTLE

Branches
YAKIMA, WASH.
ELLENSBURG, WASH.

General Offices, Factory and Warehouses
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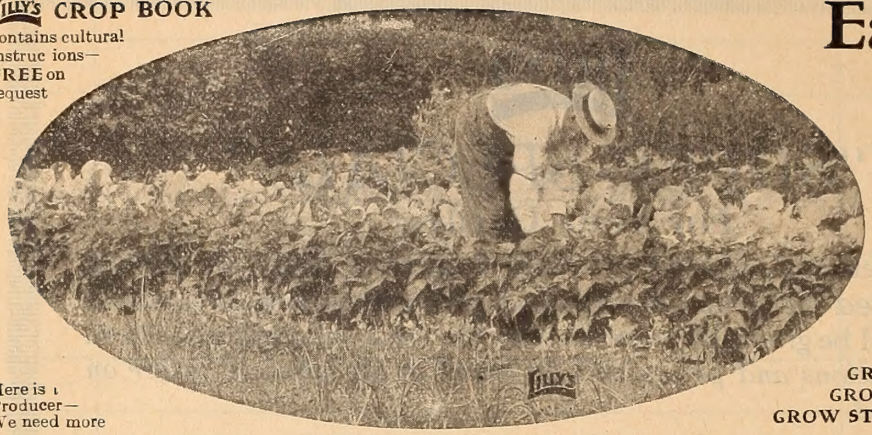
PORTLAND, ORE.

"Western America's Greatest Seed House"

LILLY'S CROP BOOK
contains cultural instructions—FREE on request



Here is a Producer—We need more

Eat Your *Own* Home-Grown Dinner

GROW VEGETABLES—
GROW MORE VEGETABLES—
GROW STILL MORE VEGETABLES!

THE GARDEN, made by one's own hands, is always the best garden because it is part of oneself. A garden made by another may interest, but it is another person's individuality. This applies with special force to Vegetables. Those grown at home are fresher, crisper and taste altogether DIFFERENT from the much handled and frequently stale products sold in the City. Besides, the hygenic value of fresh Vegetables is beyond question; their value to the family cannot be estimated in terms of money.

LILLY'S Service

The Seed business is maintained entirely on confidence, it being impossible for the most advanced expert to determine the quality and purity of strain by mere inspection of the seed—You have to **trust** your seedsman to sell you seeds which have been carefully selected and grown. Quality in seeds means inbred characteristics. Nearly half a million customers have evidenced their confidence in ***Lilly's*** Seeds by their continued patronage year after year. There are **other** seeds at other prices but **none** superior to ***Lilly's*—they grow!**

About Varieties

Only those varieties are offered in this catalog which our many years practical experience as growers has taught us are best suited to our soil and climatic conditions. It is obviously to the planter's advantage to recognize the superiority of Lilly's Tested Seeds as compared with others which may be entirely unsuited to North Western conditions.

Columbia Mammoth

Asparagus

One ounce of seed will produce about 500 plants

Columbia Mammoth

A superior variety of this delicious early spring vegetable, which should have a place in every home garden. Of exceptionally large size, white, tender, and unexcelled in flavor.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** Postpaid

Giant Argenteuil

The popular French variety, producing large, thick green stalks, sometimes nearly an inch in diameter with few scales; the stalks retain their thickness completely up to the top and have close round heads.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** Postpaid

Palmetto

A very early and prolific variety, producing an abundance of very large deep green shoots of the best quality with a distinctly pointed tip.

Pkt. **10c,** oz. **20c,** ¼ lb. **45c,** Postpaid

Artichoke

Large French Green Globe

This perennial plant resembles a mammoth thistle. The edible portion is the immature flower heads, which are boiled and served with butter dressing. The young suckers which spring up around the bottom of the plant are also used, served like asparagus. The flower heads are not produced until the second season. Distinctive from the Jerusalem Artichoke, the edible portion of which is the tubers, which are listed in Farm Seed Section of this catalog.

Pkt. **10c,** oz. **$1.25,** Postpaid

Bush Beans

LILLY'S Jones' Stringless

A Delicious Yellow Podded, Dwarf Variety

A comparatively new variety, very popular with many of our customers. The pods are a beautiful waxy yellow, very large and nearly straight, round, plump, full, very brittle, stringless and without fiber. In flavor and quality they are unexcelled. The ripe dry seeds are white and are excellent for shelled beans. The plants are of medium size, thick stemmed, erect, without runners, early and productive.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

LILLY'S Golden Jersey Wax

Yellow Podded Bush Bean

An improved strain of the old standard Golden Wax which has been so universally grown in all sections of the country for many years. The plants are small, hardy, very erect, vigorous, thick stemmed, without runners, early and productive. The pods are rich golden yellow, broad and thick, solid fleshed, of splendid quality, tender, brittle and stringless.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Golden Wax

Very popular for both the home garden and for market. The pods are of medium length, broad, flat, golden yellow, very fleshy, wax like and stringless. The plants are erect, compact, and produce early and abundantly. The seeds are of medium size, oval white, mottled with red.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Prolific White Kidney Wax

A handsome wax podded variety, very popular for shipping. The plants are very hardy, productive and medium early. The pods are light yellow, straight, remarkably long crisp, and tender. The seed is medium size, kidney shaped and clear white. The dried beans are excellent for baking.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid

Prolific Black Wax

An improvd strain of black wax and is an exceptionally productive dwarf, wax-podded variety; hardy, reliable and of the best quality. The pods are of medium size, curved, cylindrical, fleshy, and of light golden color. The seeds are small oblong and jet black.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Refugee, or 1000 to 1

A very productive, hardy, vigorous late sort, much in favor for canning. Pods 5 to 5½ inches long, somewhat slender, round and slightly curved; fine grained and good quality.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Canadian Wonder

An exceptionally hardy, rapid growing variety and very prolific. Pods, long green, fleshy and of excellent quality.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Broad Windsor

The old English "Broad Bean"—largest and best of its class.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Wardwell's Kidney Wax

A standard variety maturing a little later than Golden Wax. Yields a large crop of long nearly straight pods, light golden color, handsome pods, about 6 inches long, of good quality very extensively used for snaps for the home garden. The plants are strong growing and bear their long pod well up from the ground. Leaves are large, broad and slightly ruffled.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Long Yellow Sixweeks

A variety much used for the home garden and the market. The plants are heavy, hardy, large, vigorous, erect and very productive. Long pods about 6 inches. Straight, flat, handsome, rather light green. Giant early maturing sort.

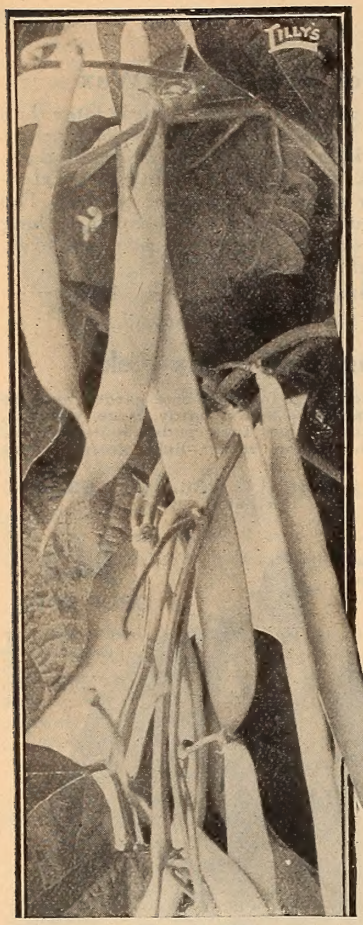
Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

The best is that which renders the most service—not cheapest nor yet the dearest.

Plant LILLY'S

LILLY'S **CROP BOOK** is the leading garden guide Free with orders on request

Golden Jersey Wax



Kentucky Wonder

Bush Beans

LILLY'S Longfellow

Longfellow is an extra early green podded snap bean, producing splendid crops of very long, round, straight, solid fleshy pods which are deliciously tender and brittle. The flavor is excellent. The plants are robust without runners, and very productive. Lilly's select stock is sold in sealed packages only.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Dwarf Horticultural

An early green podded bush bean splendid for either snap or green shelled beans; the dried beans may also be used for baking or soup. The pods are of medium length, slightly curved and when nearly developed are freely splashed with bright red. The plants are erect, compact, without runners and fairly productive.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Burpee's Bush Lima

The most generally grown bush lima bean, growing about twenty inches high and bearing exceptionally large pods and beans of fine quality. Medium early.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Burpee's Stringless

A very early, hardy green podded bean of excellent quality. The pods are round, straight, about five inches long, very meaty and entirely stringless.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Pole Beans

One pound will plant 125 hills

LILLY'S Carmine Pole

The Best Pole Bean for the Northwest

The most attractive pole bean for snap green, shell or dry shell beans for home or market. The pods are brilliantly splashed with bright carmine on a greenish yellow background, very long and flat, generally straight; surface smooth, very brittle, entirely stringless, without fibre. Free from anthracnose. Sold only in sealed packages.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Kentucky Wonder

One of the best early pole snap beans for home or market. The snap pods are green, with wrinkled surface; very long, curved, extremely brittle, without fibre.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Lazy Wife Pole

One of the most popular kidney pole varieties, and the best late pole bean. Of superior quality as snaps, and excellent for green or dry shell beans.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Small White Pole Lima

The only Lima which is certain to reach maturity here. Excellent for snap or green shell beans. Pods are six to seven inches long and contain five large, flat beans. Similar to Scarlet Runners, excepting that flowers and beans are white.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Horticultural or Speckled Cranberry

The best of the horticultural varieties for general use. Equal to Lazy Wife as a general purpose late snap and green shell pole bean for home or market.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Small White Navy

A splendid field variety and excellent for baking.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

King of the Garden or Large White Lima

The best pole Lima Bean, but not so well adapted to the Northwest as the bush varieties. Unsurpassed in productiveness; large, handsome pods and seeds.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Scarlet Runner

Popular for both ornamental and culinary purposes. Grows about ten feet high, bearing large scarlet flowers followed by large green podded beans.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Lady Washington Field Beans

An improvement over the old Navy Beans; is earleir, larger and more productive. Especially adapted to the West.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Brussel Sprouts

Dwarf Improved

The heads or sprouts are formed on the stalk of the plant, are one to two inches in diameter and resemble miniature cabbages.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.35,** Postpaid.

Broccoli

Large White French

The heads resemble cauliflower, and it is used in the same manner, but is hardier.

Pkt. **10c,** Oz. **90c,** ¼ lb. **$3.00,** Postpaid.

St. Valentine

The finest quality of its class, producing firm heads very early. Pkt. **15c,** Oz. **$1.50,** ¼ lb. **$5.00,** Postpaid.

Beet

LILLY'S Crimson Globe

The finest of all for the home garden, also popular with market gardeners. The beet is nearly globular, slightly elongated, of medium size, about three inches in diameter with small tap-root. The flesh is deep crimson, beautifully ringed or zoned, and is free from stringiness or woodiness. Our seed is specially grown from the choicest strain, and is sold in sealed packages only. Pkt. **10c,** oz. **20c,** ¼ lb. **45c,** 1lb. **$1.25,** Postpaid

LILLY'S Crosby's Egyptian

An improvement over the old Extra-Early Egyptian. It is fully as early as the old variety, and excells it in all other respects, being larger, smoother, thicker, and of much finer quality. The color is rich vermillion, slightly zoned; it is fine grained, tender and sweet, and does not become woody or hard. Sold only in sealed packages. Pkt. **10c,** oz. **20c,** ¼ lb. **45c,** 1lb. **$1.25,** Postpaid

Detroit Dark Red

Considered to be the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The leaves are dark green shaded with red. The roots are medium-sized, globular or nearly round, very smooth and of dark red blood color. The flesh is deep vermillion-red, zoned with a lighter shade of the same color.

Pkt. **10c,** oz. **20c,** ¼ lb. **45c,** 1lb. **$1.25,** Postpaid

Early Egyptian

An extra-early variety, suitable for forcing and early garden culture. The beets are small and flattened; dark red; sweet and tender.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Early Blood Turnip

A standard medium variety of excellent quality; also good for summer and fall use. The flesh is deep red, zoned with lighter shade; sweet, crisp and tender, nearly round.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Long Smooth Blood

A standard long late variety—roots 12 to 14 inches. Flesh deep purplish red; good quality and excellent keeper.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Eclipse Blood Turnip

Very early, of uniform, globular shape, deep red color, fine grained, tender and sweet. Popular for both market and home garden.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

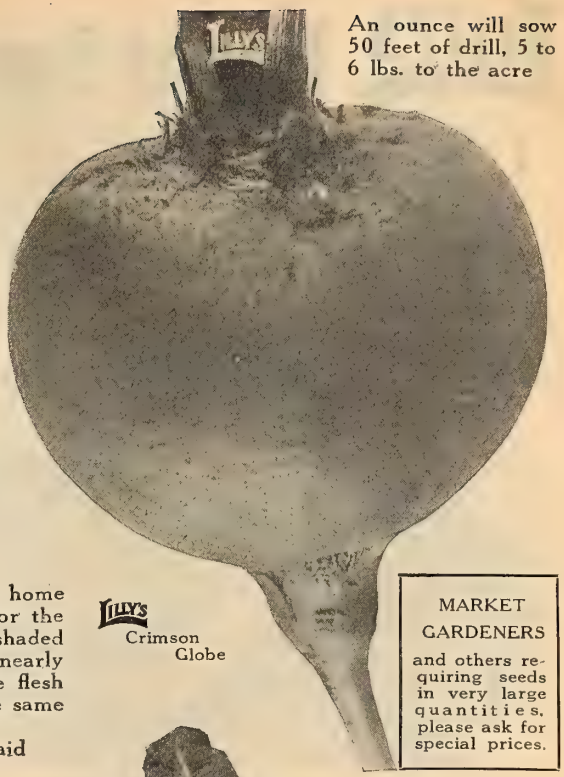
Swiss Chard (SPINACH OR SEA KALE BEET)

LILLY'S **Giant Lucullus**

Lucullus is the newest, largest and best variety of Swiss Chard. Grown for its large, tender, succulent leaves, which make the most delicious greens, or the thick fleshy leafstalks, which are cooked and served like asparagus. The seed is planted in the spring the same as beets, and tops are cut off as wanted during the summer, fall and following Lucullus

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

An ounce will sow 50 feet of drill, 5 to 6 lbs. to the acre



LILLY'S Crimson Globe

MARKET GARDENERS and others requiring seeds in very large quantities, please ask for special prices.

LILLY'S Giant Lucullus

SWISS CHARD

Large Ribbed White

May be used as a salad or cooked as greens. Resembles an ornamental beet top but has no edible root. Used for greens for chickens by cutting the stem and leaf which are also very ornamental.

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75.** Postpaid.

LILLY'S Puget Sound Cabbage Seed

CABBAGE SEED is one of our specialties, and we produce a quality unexcelled in America. The Puget Sound country is one of the very few localities in the United States where Cabbage seed of the highest quality is produced. Our Puget Sound grown seed will produce a greater percentage of large, firm heads than any other stock to be had; it has become noted all over the country, and we supply wholesale seedsmen in all parts of North America, European and other countries abroad as well as our own local trade. Our cabbage seed, being grown and acclimated in this country, is especially adapted to the Northwest.

One ounce of seed should produce 1500 to 2000 plants

All Head Early

A large heading early variety of good quality. May be planted late and used in fall and early winter. The plants are compact, with few outer leaves. Stems are short. Heads are large, solid, and flat, but very deep. Remarkably free from "spreading" leaves thus permitting close planting and increased yield per acre.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.35,** 1 lb. **$3.50,** Postpaid.

LILLY'S Early Jersey Wakefield

An Improved Strain of the Standard Extra Early and Popular Variety

This old standard variety is more generally grown and one of the most popular extra early cabbages. Equally popular for either the home garden or for market. The heads are pyramidal in form, pointed at the top, with but few outside leaves, are uniformly solid and of fine quality and flavor. The plants are extremely hardy, and on the Pacific Coast the seed is sown in fall and the plants wintered over in the open ground. Our seed is grown in the Puget Sound country and is a particularly fine strain.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.35,** 1 lb. **$3.50,** Postpaid

Early Jersey Wakefield

First Early Varieties

LILLY'S Copenhagen Market

A wonderful cabbage. Although it is very early, the round, solid heads grow to very large size, 10 to 12 pounds, and are produced on short stems and have few outer leaves. The plants are hardy, sturdy, and may be depended upon to produce solid heads at an early season. Our seed is grown in the Puget Sound country, from seed stock imported direct from Denmark.

Pkt. **10c,** Oz. **50c,** ¼ lb. **$1.50,** 1 lb. **$5.00,** Postpaid.

Early Winnigstadt

An excellent variety, but not so early as Early Jersey Wakefield. The heads are similar in form and size, but are more sharply pointed; very hard and the leaves are tightly folded.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.35,** 1 lb. **$3.50.,** Postpaid.

Charleston Wakefield

The heads are very similar to Early Jersey Wakefield in form, but are larger and a few days later. They are of the same fine quality. This variety is a favorite with market gardeners.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.35,** 1 lb. **$3.50,** Postpaid.

Cabbage

Second Early Varieties

Lilly's Glory

A Splendid Second Early Variety; Round Solid Heads

Although this is very early for a round-headed cabbage, it is a splendid keeper and is excellent for winter use. The heads are of good size, almost perfectly round, extremely sold and heavy, deliciously tender and of the finest quality. The plants are of vigorous growth and are sure heading. Our seed is grown in the Puget Sound country, famous for producing the best cabbage seed.

Pkt. **10c,** Oz. **45c,** ¼ lb. **$1.50,** 1 lb. **$4.50,** Postpaid.

Remember it's always the quality that determines the price. Plant Lilly's Seeds.

Lilly's All Seasons, or Succession

One of the Most Satisfactory Second Early Cabbages for General Use

A very desirable second early or intermediate season cabbage. As its name implies, it is adapted for either summer, fall, or winter use. The heads become solid long before they are fully grown, and may be used at that time or during the long season until they are mature. It is not liable to split. The heads are very large, nearly round, slightly flattened, very solid and of excellent quality. This variety is especially adapted to the Pacific Coast, and makes a splendid showing in our seed fields. Our seed is grown in the Puget Sound country, and is of exceptionally fine quality.

Pkt. **10c,** Oz. **45c,** ¼ lb. **$1.50,** 1 lb. **$4.50,** Postpaid.

Early Flat Dutch

A valuable second early variety producing very large, compact, flattened heads of good quality; sometimes nearly as large as Late Flat Dutch, which they resemble in appearance.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.25,** 1 lb. **$3.50,** Postpaid.

Fottler's Brunswick

One of the best second early or intermediate cabbages for fall use. The plants have very short stems, large leaves, and are very compact. The heads are large, flat, sold and of fine quality.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.25,** 1 lb. **$3.50,** Postpaid.

The Joys of Gardening

How many have experienced the joy and satisfaction that comes from working in the soil? How many realize what it means after the day's work is over to take a hoe or some other garden tool, and feel the thrill that comes from stirring the soil and planting the seed? Gardening is natural exercise and brings practically all muscles into play. You forget the office or factory when digging in the earth. In preparing and planting your garden, you cannot help feeling a sort of partnership with the soil. Who doesn't like to stir the warm, mellow earth in the spring when it is time to plant the seed? No home ground or home is complete without a garden, and those who have never planted vegetables or flowers have missed much.

It makes all the difference in the world whose seeds you plant, and all that difference is in favor of

LILLY'S

Western America's Best Seeds

Cabbage

Late and Savoy Varieties

LILLY'S Danish Ballhead

LILLY'S Danish Ballhead

Unsurpassed for Winter Use

A medium or late variety, one of the very best keepers, and excellent for late winter or spring shipping. The heads are round, of medium size, very solid and hard, and of good quality. Vigorous, compact, exceedingly hardy, and reliable. Our seed is grown on Puget Sound with special care from carefully selected heads.

Pkt. **10c,** Oz. **50c,** ¼ lb. **$1.50,** 1 lb. **$5.00,** Postpaid.

PeTsai Cabbage

Surehead

One of the most reliable late or main crop cabbages; very hardy and exceptionally sure heading. The heads are large, broad, thick, somewhat flattened, compact very solid and of excellent quality.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.35,** 1 lb. **$3.50,** Postpaid.

Autumn King

A good late variety requiring a long season for growth. The heads are very large solid and of good quality. An excellent winter keeper and shipper.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.40,** 1 lb. **$4.00,** Postpaid.

Pe Tsai or Celery Cabbage

A wonderful salad plant growing 15 or 16 inches high somewhat resembling Cos Lettuce or similar to Swiss Chard. The hearts blanch to a crystalline white; whiter than lettuce and more beautiful than cabbage. Should be sown in July.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.40,** 1 lb. **$4.00,** Postpaid.

Large Late Drumhead

A favorite winter cabbage for shipping. The heads are large solid and of good texture flattened on top but very deep. Can be kept in good condition until late in spring.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.35,** 1 lb. **$3.50,** Postpaid.

Red Dutch

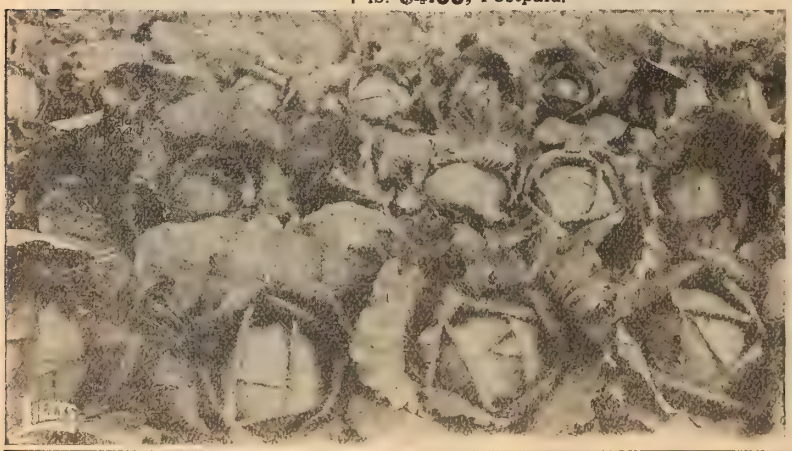
A popular hard headed red cabbage for pickling etc. A good keeper. Rather small but of excellent quality and flavor.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.40,** 1 lb. **$4.00,** Postpaid.

Drumhead Savoy

The best of the Savoy or crumpled leaved cabbages producing large solid heads of the finest quality and with the rich flavor of cauliflower. The plants are strong and vigorous.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.40,** 1 lb. **$4.00,** Postpaid.



Premium Late Flat Dutch

A popular late variety; comparatively slow growing but sure heading. The plants are exceptionally vigorous, with very large, broad, spreading outer leaves. The heads are very large, flat, but deep. An excellent keeper.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.40,** 1 lb. **$4.00,** Postpaid.

The Quality

of the seed you plant will be making your garden's success or failure months after the cost is forgotten.

Carrot

One ounce of seed sufficient for about 125 feet of drill, or 4 pounds per acre

LILLY'S Golden Half Long

Finest Main Crop Carrot

By far the best carrot for home use and for market and by many it is preferred for stock feeding, for although it is not so large as the stock carrots, the yield is almost as great and the quality is superior.

Carrots should be more generally grown, both for table and stock. They are a delicious and healthful vegetable, easy to grow and are in perfect condition at any time during their growth from the time they are the size of a lead pencil until long after they are matured. On the Pacific Coast they may be left in the ground during the winter and pulled as wanted for use. Our climate and soil is especially adapted to growing them. Sold in sealed packages only.

Pkt. **10c**, Oz. **20c**, ¼ lb. **45c**, 1 lb. **$1.25**, Postpaid.

Danver's Half Long

A standard half long orange-colored carrot grown largely on account of its great productiveness and adaptability to all kinds of soil. It is a desirable second-early carrot for the home garden and is also popular for field culture. The flesh is deep orange, tender and of good quality. Although the roots of this variety at maturity are comparatively short, they often produce as large bulk as the longer stock sorts, and they are more easily harvested.

Pkt. **10c**, Oz. **20c**, ¼ lb. **45c**, 1 lb. **$1.25**, Postpaid.

Danver's Half Long

Chantenay or Model

An excellent stump-rooted variety about six inches long, very broad at the shoulder and tapering to a blunt point, free from core, fine grained and tender; orange-red; medium early.

Pkt. **10c**, Oz. **20c**, ¼ lb. **45c**, 1 lb. **$1.25**, Postpaid

Short Horn

Early Scarlet Horn or Early French Forcing

One of the earliest varieties in cultivation and very desirable for forcing. The tops are very small; the roots are reddish orange and nearly round when forced quickly in rich, well prepared soil, but are somewhat longer when grown outdoors. When fully matured the roots are about two to two and one-half inches long, but they should be used before fully grown, while young and tender.

Pkt. **10c**, Oz. **20c**, ¼ lb. **50c**, 1 lb. **$1.50**, Postpaid.

Long Orange Improved

This improved strain is medium to late maturing and is suitable for either table use or stock food. The roots are very deep, orange, long and comparatively thick, often twelve inches long and three inches in diameter at the crown tapering regularly to a point. The tops are rather large; it is very productive and when grown in light, deep rich soil the roots are straight and uniform. When of a size suitable for the table the roots are tender and of good quality.

Pkt. **10c**, Oz. **20c**, ¼ lb. **40c**, 1 lb. **$1.00**, Postpaid.

Oxheart, or Guerande

Especially desirable on shallow or hard soil where longer rooted varieties would not thrive. The tops are small. The mature roots are about five inches long, very thick, ending abruptly in a small tap-root. The flesh is bright orange, fine grained and sweet. It is medium early, and is desirable for table use, when mature they are excellent for stock.

Pkt. **10c**, Oz. **20c**, ¼ lb. **40c**, 1 lb. **$1.00**, Postpaid.

Varieties Recommended for Stock Feeding

These keep well when stored for winter use, and form an extremely wholesome addition to the winter rations of stock when fed in conjunction with corn and dry fodder. The rich coloring of the deep orange-colored sorts is esteemed also as imparting a richer coloring to milk and butter during winter months.

Large White Mastodon

The most popular white carrot for stock feeding on account of its immense size, productiveness and being short and easy to harvest. It sometimes yields as much as 25 tons per acre. Not suitable for table use. A more complete description of this variety will be found in Farm Seed Section of this catalog. Sold only in sealed packages.

Pkt. **10c**, Oz. **20c**, ¼ lb. **40c**, 1 lb. **$1.00**, Postpaid.

White Belgian

A large and very productive white carrot, recommended for stock food only. Very similar to improved short white.

Pkt. **10c**, Oz. **20c**, ¼ lb. **40c**, 1 lb. **$1.00**, Postpaid.

Improved Short White

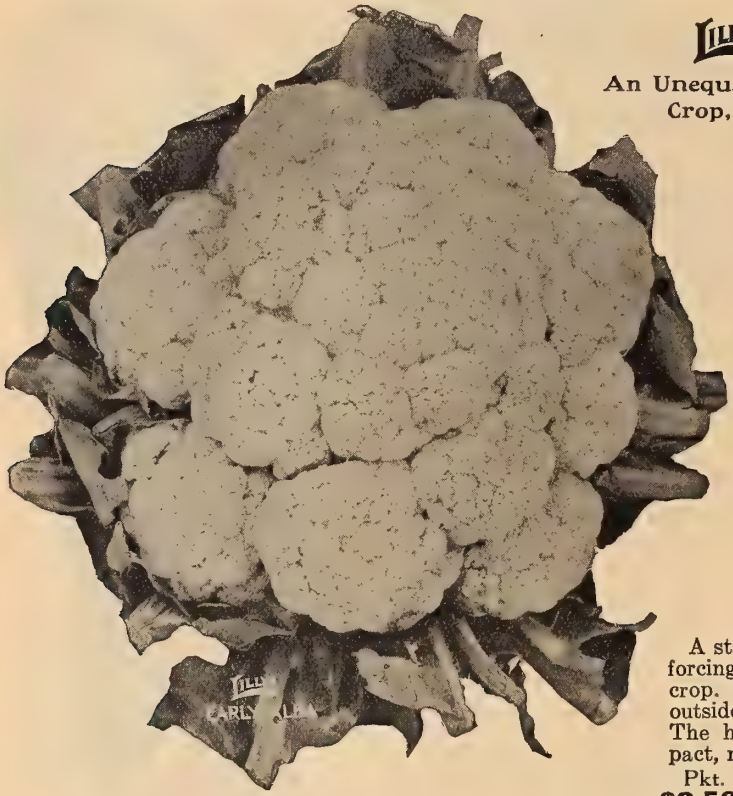
A desirable stock carrot on account of its great productiveness and the ease with which it can be harvested. The roots are half long, seven to nine inches in length, smooth, very heavy at the shoulder, tapering to the point. The color is white with light green crown.

Pkt. **10c**, Oz. **20c**, ¼ lb. **40c**, 1 lb. **$1.00**, Postpaid.

Cauliflower

One ounce should produce about 3000 plants

Cauliflower is grown in the same manner as Cabbage, usually as a late fall crop, but when started early in the spring, excellent heads, can be grown of the dwarf early varieties. To make the best and largest heads the plants need cool, moist weather, well-enriched soils and thorough cultivation. The Cauliflower is highly esteemed for the mild, delicate flavor and extreme tenderness of the solid white heads.



Lilly's Early Alba

An Unequalled Variety for Early or Main Crop, for Home or for Market

Early Alba is by far the best cauliflower grown, either for early or late, for home use or for market, for forcing or for outdoor culture. It is the largest early cauliflower, and is equally good for either extra early or for main crop. It is a sure producer of large, solid compact snow-white heads of unequalled quality, flavor and beauty. Lilly's Early Alba cauliflower seed is sold only in sealed packages.

Pkt. **25c,** ¼ Oz. **$1.10,** 1 Oz. **$4.20,** Postpaid.

Snowball

A standard early variety, excellent for forcing, early outdoor culture, or for main crop. The plants are compact, with few outside leaves and may be planted closely. The heads are of medium size, solid, compact, round, white and of good quality.

Pkt. **10c,** ¼ Oz. **$1.00,** 1 Oz. **$3.50,** Postpaid.

Danish Dry-Weather

Danish Dry Weather Cauliflower is especially adapted for growing in dry localities where other varieties fail to produce good heads, but is also an excellent variety for more favorable conditions.

It is not as early as Early Alba and is not suitable for forcing, but the heads are large, solid, pure white, of splendid quality, and for main crop it is excelled by none, as it is the surest header known and is therefore the most profitable for the market gardener. It will make a good crop in dry climates where it has heretofore been considered impossible to grow good cauliflower. Sold in sealed packages only.

Pkt. **25c,** ¼ Oz. **$1.00,** 1 Oz. **$3.50,** Postpaid.

Large Late Algiers

A valuable late sort, sure to head, of excellent quality and popular with market gardeners. The plant is large but of upright growth, the leaves protecting the heads, so that they are uninjured by frost that would ruin other varieties.

Pkt. **10c,** ¼ Oz. **60c,** 1 Oz. **$2.00,** Postpaid.

IT'S A FACT

that the consumer pays at least twice the prices the raiser receives for his garden and farm products. Realizing this, it is surely a great incentive to become both producer and consumer. In addition to the saving in dollars and cents, there is the pleasure of enjoying fresh, palatable vegetables of a quality not attained elsewhere.

Veitch's Autumn Giant

A large late cauliflower, producing quite compact white heads. The large late varieties are not nearly so reliable as the earlier Erfurt type. Known on the Pacific coast under the name of ***California Wonder.***

Pkt. **10c,** ¼ Oz. **40c,** 1 Oz. **$1.50,** Postpaid.

Celery

One ounce will produce about 3000 plants; one pound will produce plants for one acre

LILLY'S Paris Golden Yellow

The plants are of compact semi dwarf habit and form numerous stalks. They are heavily ribbed, of golden yellow color—very crisp and tender. Leads all the self blanching varieties for earliness and productiveness. This is the variety so extensively grown in California for supplying the Northern Markets in the early season before the home products are ready. Altogether a very desirable sort to grow. The Standard Celery for early use.

Pkt. **15c,** Oz. **$1.50,** ¼ lb. **$5.00,** 1 lb. **$15.00.**

Silver Plume

A handsome early variety, popular with market gardeners on account of its very attractive appearance and requiring a very short time for blanching. The plants are of medium size, and the foliage forms beautiful silver-white plumes, so aptly suggested in the name. As the plants mature, the inner stems and leaves naturally turn white. The stalks are thick and heavy, with pure white hearts; brittle, crisp and tender; free from stringiness and unexcelled in flavor.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.20,** 1 lb. **$3.50,** Postpaid.

Giant White Winter

Giant White is unequalled as a late winter celery. Like other winter varities, it is not self-blanching, and must be blanched by banking with earth or with boards. On the Pacific Coast it may be left in the garden until wanted and will qualities; grows very tall, but with large, white stalks, very brittle, and the flavor is delicious. Pkt. **10c,** Oz. **30c,** ¼ lb. **$1.00,** Postpaid.

Giant White Solid

An excellent late fall and winter variety of immense size and good quality. Vigorous with fleshy, solid, tender stalks which in blanching become yellow-white.

Pkt. **10c,** Oz. **30c,** ¼ lb. **90c,** Postpaid.

Golden Self-Blanching

A good standard early variety; blanching easily. The heart is rich golden yellow; the outer leaves yellow.

Pkt. **10c,** Oz. **80c,** ¼ lb. **$2.65,** Postpaid.

Celeriac or Turnip-Rooted Celery

Large Prague. Large, round, smooth, turnip-like roots; used for flavoring soups or as a salad.

Pkt. **10c.** Oz. **35c,** ¼ lb. **$1.20,** Postpaid.

Chervil

Curled. Very finely curled, resembling parsley; used in soups and salads.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.35,** Postpaid.

Chives

Usually grown as an edging and has a mild flavor of young onions. The leaves are used in soups and salads for seasoning.

Pkt. **15c.** Oz. **$2.50,** Postpaid.

Collards

Georgia. A loose form of cabbage grown in the South for greens. Not adapted to the North.

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** Postpaid.

Chicory

Large Rooted. Used as a substitute for coffee; and the young blanched shoots for salad.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.40,** Postpaid.

Lilly's Golden Giant

Sweet Corn

One pound of seed is sufficient for about two hundred hills; fifteen pounds for an acre

Lilly's Golden Giant

A Brand New Early Variety

One of the most perfect Sweet Corns every introduced. Offered last season for the first time it has more than justified the claims we made for it and we confidently recommend it to every gardener who is looking for the finest type of Early Sweet Corn. Produces ears nine inches long with kernels of a deep golden yellow of exquisite flavor. Equal in every respect to Golden Bantam with the added advantage of larger ears very compactly filled. This excellent variety is Washington grown and therefore thoroughly acclimated—a point strongly in its favor. A trial will convince the most critical gardener that Golden Giant is destined to become very popular. Every Western planter will be pleased with the distinctive features of this Corn. It is very hardy and may be planted early. We advise you to mail order on receipt of this catalog to avoid disappointment as we are receiving enquiries before going to press with our book.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

(See also page 4 of cover).

Stowell's Evergreen

An old and popular late sweet corn. The stalks grow about seven feet high and are very productive. The ears are seven to eight inches long, and the kernels are white, very tender and sugary, and remain a long time in condition for use.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Peep o' Day

One of the very earliest varieties. The ears are about five inches long, the kernels large, white and tender. The stalks are dwarf, only about four feet high, and usually bear two ears each.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Early Minnesota

A standard second early variety. The stalks grow about six feet high. The ears are about eight inches long, eight to ten rowed, and the kernels are very broad, white, sweet and tender.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Black Mexican

This sweet corn, when young, cooks remarkably white, but the ripe grain is black. It is an excellent late variety. The stalks grow about six feet high, and the ears about eight inches long. The kernels are tender, sweet and delicious.

Pkt. **15c,** ½lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Country Gentleman

A splendid late variety. The small, white cob is densely crowded with irregular rows of long, slender, white kernels of excellent quality.

Pkt. **15c,** ½lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Early White Cob Cory

A very early sweet corn. The plants are dwarf, and usually bear two ears each. The ears are six to seven inches long, and the kernels are milky white, sweet and of good quality.

Pkt. **15c,** ½lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Write for Special Prices on Quantities

LILLY'S Golden Bantam

THE SWEETEST AND MOST DELICIOUS EARLY SWEET CORN

Golden Bantam is one of the sweetest and most deliciously flavored sweet corns that has ever been grown, and has no superior for the home garden or early market. In earliness it is excelled only by "Jack Frost," and in flavor it is surpassed by none. The ears are short, six to eight inches long, thick, and compactly filled with very large, plump, creamy yellow kernels, which become golden yellow as they ripen. The stalks are of medium height, sturdy and very productive, bearing two ears each. It is one of the hardiest varieties, may be planted early, and is especially adapted to the Northwest. Golden Bantam is extra early and plantings can be made a week or ten days earlier than with the less hardy varieties of White Sweet Corn. Sold only in

Pkt. **15c**, ½ lb. **25c**, 1 lb. **40c**, 10 lbs. **$3.50**, Postpaid.

LILLY'S Metropolitan

THE LARGEST EARLY SWEET CORN

Metropolitan is a great favorite in the Northwest, where few of the larger varieties can be depended upon. The ears are about eight inches long, and are well filled with ten to twelve rows of large, sweet kernels. It is a little later than Jack Frost and Golden Bantam, but earlier than other large varieties. The plants are tall and bear two or three ears each.

Pkt. **15c**, ½ lb. **25c**, 1 lb. **40c**, 10 lbs. **$3.50**, Postpaid.

LILLY'S Jack Frost

THE EARLIEST

This is the earliest variety of sweet corn, and is peculiarly adapted to the Pacific Coast. The ears are small, about five inches long, and are well filled with large white kernels of delicate flavor and melting tenderness. It remains tender and fit for use longer than other varieties. The plant is dwarf, and each stalk bears two or more ears. Sold in sealed packages

Pkt. **15c**, ½ lb. **25c**, 1 lb. **40c**, 10 lbs. **$3.50**, Postpaid.

Early Evergreen

Has ears fully as large as those of Stowell's and is about five days earlier. Its most valuable feature, is the extreme paper whiteness of the grains, which makes not only a more attractive ear when served on the table, but is most important for the canner. It retains its whiteness when put up in cans.

Pkt. **15c**, ½ lb. **25c**, 1 lb. **40c**, 10 lbs. **$3.50**, Postpaid.

A Good Pointer About Picking

To have the finest sweet corn, it must be picked in just the right condition, that is, when the skin of the grain breaks at the slightest puncture, and plantings should be made frequently enough always to have a supply at this stage. The quality will be inferior if it is either a few days too old or too young.

HOW TO GROW CORN

Sweet Corn should be planted as soon as the soil is thoroughly warmed in spring, and successive plantings should be made at intervals of two weeks; or early, medium and late varieties planted; for succession. It is very sensitive to frost, and early plantings may be killed, but it is neither much trouble nor expense to replant. If the early plantings are not killed the result will be worth taking a chance for.

In our cool climate west of the Cascade Mountains, to grow corn successfully, a rich, light, warm soil must be selected, and it must be highly cultivated and fertilized. Light applications of nitrate of soda or nitrate of lime early in the growing season will help to give it a good start.

The seed may be planted in drills three feet apart and the plants thinned to a single stalk every foot in the rows, or five or six kernels may be planted in hills three feet apart each way and thinned to three plants in each hill.

Large quantities of commercial fertilizers should be used, with potash and phosphoric acid predominating. Nitrates should be used early in the season only, as they tend to retard maturity. Cultivation should be frequent and thorough, and, especially after spring rains have ceased, should be shallow.

One pound of seed is sufficient for about two hundred hills; fifteen pounds for an acre.

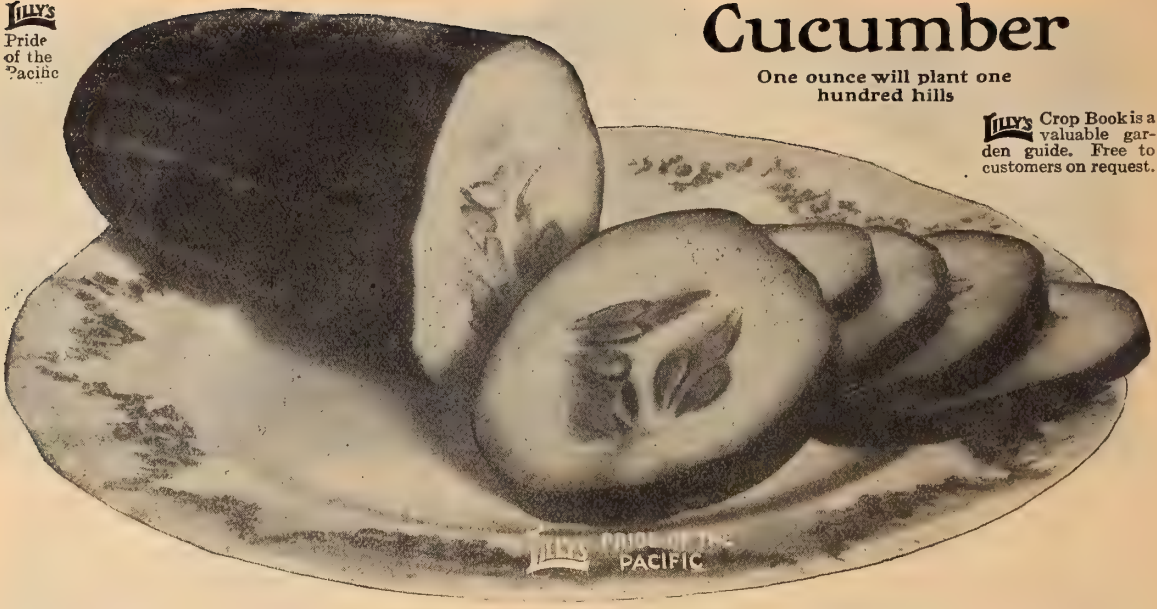
Write for Special Prices on Quantities

Lilly's Pride of the Pacific

Cucumber

One ounce will plant one hundred hills

Lilly's Crop Book is a valuable garden guide. Free to customers on request.



Lilly's Pride of the Pacific

A highly improved strain of the White Spine family, brought to its present state of perfection by the most careful methods of selection and cultivation. One of the best varieties for greenhouse culture. Unsurpassed for growing outdoors, either for market or home use. The hardy, vigorous vines produce immense crops of smooth, rich, deep green fruit, large, symmetrical and very uniform. It is ideal for slicing, the flesh being sparkling white, crisp, tender, and of a delicious flavor.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$2.00,** Postpaid.

Lilly's Pickling

Unequalled for Large or Small Pickles

The young cucumbers are thickly set with small spines, and possess the distinctly roughened surface so much desired for small pickles. The full grown fruits are nine to ten inches long and two and one-half inches in diameter; of good shape, fine quality and flavor, good for slicing. The vines are hardy, exceedingly prolific, and continue to bear longer than most sorts. Sold only in sealed packages.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$1.50,** Postpaid.

White Spine Improved

One of the best sorts for table use. The vines are vigorous fruiting early and abundantly. The fruits are uniformly straight, dark green, fairly covered with white spines, and when mature are usually about seven inches in length. The flesh is crisp, tender, and of excellent quality.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$1.50,** Postpaid.

Long Green

The fruits are long, firm and crisp; excellent for slicing, or when small they are good for pickling. The vines are sturdy and very productive. The fruits are uniform in size and shape, slender, often a foot long, and very dark green. The best variety for sweet pickles.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$2.00,** Postpaid.

Lilly's Improved Telegraph
(FOR FRAME CULTURE)

The finest type of this celebrated cucumber for market growing. The quality and beauty of the fruit is of the highest—skin smooth, deep in color and the fruit remains stiff after cutting; produces 3 to 4 cucumbers to a joint. A long fruit, 18 to 20 inches with short handle. Per Packet **25c,** Postpaid.

Davis Perfect

A Splendid Extra Early Cucumber

This variety grows nine to twelve inches long, and perfect in shape, color, quality and flavor. It is very early, and when grown outdoors so closely resembles hothouse fruit that it often brings the same fancy prices. The glossy dark green color is maintained almost to maturity, and it retains its color and freshness longer than other varieties, making it splendid for market. Lilly's Select Stock is sold in sealed packages only.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$2.00,** Postpaid.

Early Cluster

An early and very productive variety. The vines are hardy and very vigorous, bearing fruits in clusters of two or three. The fruits are short, thick bright green, crisp and tender. Used for both pickling and slicing.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$1.50,** Postpaid.

Early Frame, or Short Green

An early bright cucumber of medium size, extensively used for slicing and pickling. The vines are vigorous and productive. The fruits are bright green, crisp and tender.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$1.50,** Postpaid.

Boston Pickling

A very productive variety; extensively grown for pickles. The fruits are bright green, of medium size, smooth and symmetrical. The flesh is crisp and tender.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$1.50,** Postpaid.

Lemon Cucumber

Resembles a lemon in shape, size and color and has a flavor distinctive and superior to any other variety. It lacks the bitterness of the common cucumber. Very prolific. Can be eaten freely without harmful results.

Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** 1 lb. **$2.50,** Postpaid.

Corn Salad

Large Headed Fetticus or Lamb's Lettuce

A small, quick growing salad plant, for late fall, winter and spring use. The leaves are used as a substitute for lettuce and spinach.

Pkt. **10c,** Oz. **30c,** ¼ lb. **$1.00,** Postpaid.

Cress

Curled or Pepper Grass

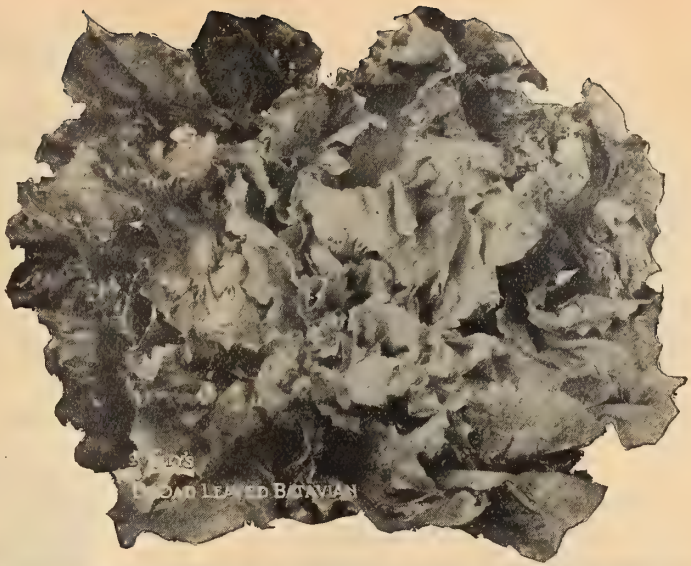
The leaves are frilled and curled crisp and pungent, and are used in salads and for garnishing meats.

Pkt. **10c,** Oz. **20c,** Postpaid.

Water Cress

A distinct variety of cress with small oval leaves, which are used for salad. It must be grown in shallow water and the seed is scattered along the banks of streams or ponds.

Pkt. **10c,** Oz. **60c,** Postpaid.



Endive

Lilly's Broad Leaved Batavian

(Escarolle)

Specially Adapted to the Pacific Coast

Endive is an excellent salad vegetable, used similar to lettuce, or it may be cooked as greens, and in our mild climate on the Pacific Coast it may be had at all seasons of the year. Not as generally known in the home garden as it deserves to be.

Batavian Broad Leaved is especially adapted to our climate and may be left in the garden during the winter. The leaves are broad, twisted and waved, deep green, with thick, white midribs. The inner leaves form a clustering head which blanches to a beautiful creamy white and is crisp and tender. Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** Postpaid.

Green Curled Endive

A hardy, vigorous variety, bright, deep green leaves usually tinged with rose, blanching to a deep cream color.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** Postpaid.

Egg Plant

New York Improved

Very productive, the plants bearing six to eight fruits each. The fruits are large, nearly round, dark purple, free of thorns and of excellent quality. 3

Pkt. **10c,** Oz. **75c,** ¼ lb. **$2.50,** Postpaid.

Black Pekin

An early variety with fruits nearly as large as the later sorts. The fruit is nearly round, the skin smooth, black and glossy.

Pkt. **10c,** Oz. **75c,** ¼ lb. **$2.50,** Postpaid.

Kohl-Rabi

Early White Vienna

A turnip-like bulb, formed above ground, combining somewhat the flavor of turnips and cabbage. Large enough to be used in ten or twelve weeks from time of sowing.

Pkt. **10c,** Oz. **30c,** ¼ lb. **$1.00,** Postpaid.

HERBS

	Pkt.	Oz.
Anise	.10	$0.40
Caraway	.10	.50
Catnip	.10	1.25
Dill	.10	.20
Horehound	.10	.40
Lavender	.10	.65
Rosemary	.10	.75
Sage	.10	.85
Summer Savory	.10	.65
Sweet Basil	.10	.45
Sweet Fennel	.10	.30
Sweet Marjoram	.10	.80
Tansy	.10	.75
Thyme	.10	.90
Wormwood	.10	.75

Leek

Large American Flag

The leek belongs to the onion family, and is a good fall and winter substitute for green onions.

Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.15,** Postpaid.

Musselburg

An improved variety growing to a very large size, with broad leaves spreading like a fan.

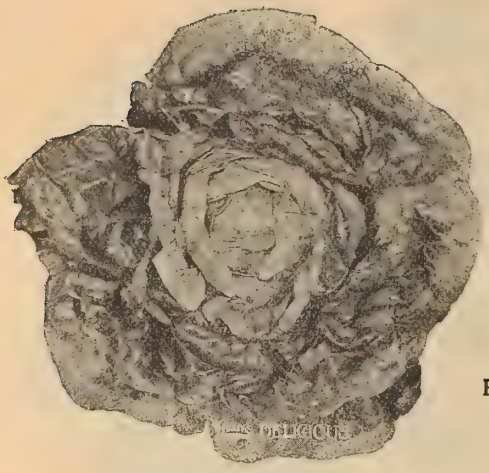
Pkt. **10c,** Oz. **35c,** ¼ lb. **$1.15,** Postpaid.

Kohl-Rabi

Ear White Vienna

Lettuce

One ounce of seed for 400 feet of drill



LILLY'S Delicious

An Extra Early Head Lettuce

Very early, forming handsome, compact, firm heads of medium size of the finest quality, earlier than any other. The color is a light yellowish-green, the outer leaves slightly tinged with brown, the inside blanching to a rich golden yellow. The thick leaves are tender and have a delicious, rich, buttery flavor. Although generally used for early outdoor culture, it is excellent for forcing and for succession during the summer. The heads are round, solid, and stand shipping well. Sold only in sealed packages.

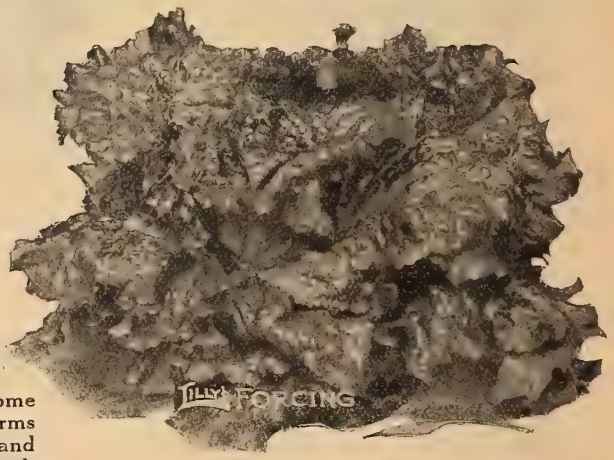
Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** 1 lb. **$2.25,** Postpaid.

LILLY'S Forcing

Excellent for Extra Early Out Door Culture

For forcing in greenhouse or cold frames, or for extra early outdoor culture, this variety has no superior. The plant grows upright, does not form heads, but makes a quick growth of large, thin, light green leaves, finely curled, crimped, and savoyed. It remains in condition for cutting for a considerable time, and stands shipping better than most varieties,

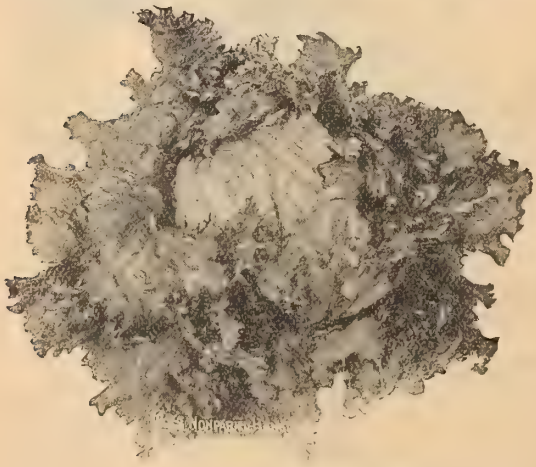
Pkt. **10c,** Oz. **25c,** ¼ lb. **85c.** lb. **$2.25,** postpaid



LILLY'S Nonpareil Hanson Head

A splendid head lettuce for either market or home use for late summer. The plant is compact, and forms large, solid, cabbage-like heads of fine quality and flavor. The leaves are bright yellowish-green; broad, crumpled, and frilled at the edges; and with distinctive midrib. Inner leaves are white, very crisp, and sweet.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,**



Boston Market or Tennis Ball

A popular, small, compact head variety, good for forcing or for early outdoor culture. It is hardy; the heads are solid, and the leaves are dull green in color, crisp, and of good flavor. This is the white seeded sort.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Prizehead

A large clustering, non-heading lettuce, easy to grow and an excellent variety for the home garden, but not recommended for market, as it is too tender to stand shipping and handling. **The leaves are bright green tinged with red; crisp, tender and sweet.**

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

May King

This is a very hardy variety of early head lettuce and will stand much cold, damp weather. It may be planted under glass or outdoors, and in either case will produce fine heads much sooner than most other varieties.

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Big Boston

A fine forcing variety, producing heads of very large size, often measuring ten to twelve inches in diameter. It succeeds better in cooler temperatures than most strains. Heads well in the open ground during the cool weather of spring or fall. One of the most widely grown of all American varieties.

Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** 1 lb. **$2.25,** Postpaid.

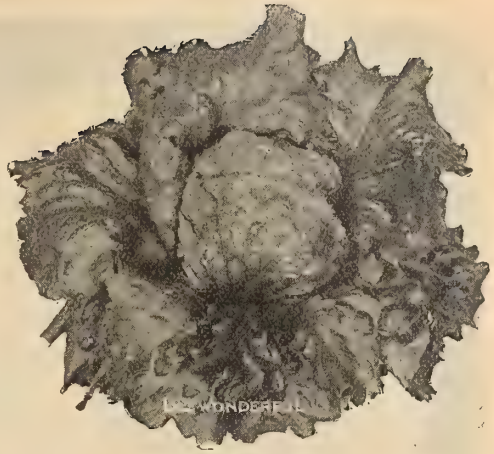
Lettuce

LILLY'S New York or Wonderful

A Mammoth New Head Lettuce

A new and very popular variety, thriving in all sections and during all seasons. A crisp, cabbage-heading lettuce, extremely large, sometimes fifteen inches in diameter and weighing two or three pounds. It is deep rooting, stands heat well, is slow to run to seed, and especially adapted for growing during the summer months. It is a sure header under the most trying conditions. The interior is beautifully blanched, creamy white, crisp, tender and delicious. Especially recommended as a standard, main crop, hot-weather lettuce. Very popular with market gardeners, and is equally good for home use. Not recommended for forcing. As we usually have a heavy demand for this variety we recommend early ordering. Sold in Sealed pkgs. only.

Pkt. **10c,** Oz. **45c,** ¼ lb. **$1.50,** 1 lb. **$4.50,** Postpaid.



Grand Rapids

Early Curled Simpson

A standard variety for forcing or for very early outdoor culture. The leaves, in loose clusters, are light green in color, slightly frilled and much blistered, are crisp, tender and sweet. Especially adapted for sowing thickly and cutting while the plants are young.

Pkt. **10c,** Oz. **15c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Grand Rapids

A very popular loose leaved variety for greenhouse forcing. It grows quickly, is hardy, not liable to rot, remains in condition for cutting for several days, and stands shipping better than most sorts.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** Postpaid.

Los Angeles Market

One of the most reliable, sure-heading sorts; heads globular, large and late; leaves large and very broad, borders finely frilled; color clear light green. A fine variety for midsummer planting outside, as it withstands the hot season and is a slow seeder.

Pkt. **10c,** Oz. **45c,** ¼ lb. **$1.50,** 1 lb. **$4.50,** Postpaid.

Paris White Cos

Grows to very large size. The inner leaves blanch readily and are of fine flavor. One of the most popular market sorts; also called White Paris Self-Folding Cos or Trianon Cos.

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Iceberg

A decidedly crisp variety, strictly cabbage-heading, large, late, slow to shoot seed. Plant spreading but not loose in habit, and forming a globular, hard, well-balanced head, with leaves very completely and tightly overlapping one another. Color light green excepting faint brown along extreme border.

Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** lb. **$2.50.**

Kale or Borecole

LILLY'S Emerald Isle

A grand variety of green curled winter kale, and is most desirable on account of its hardiness, excellent quality and beautiful appearance. Of medium height, the leaves are so finely fringed and curled as to resemble parsley, and it is of a beautiful rich, emerald green color. It is hardy; on the Pacific Coast it is seldom injured by freezing, in fact is improved by frost, and may be cut and used at any time during the winter.

Pkt. **10c,** Oz. **25c,** ¼ lb. **75c,** Postpaid.

Tall Scotch

Grows three to four feet high, bearing long, plume-like light green leaves, which are deeply cut and finely curled at the edges. Very ornamental, and sufficiently hardy to resist front.

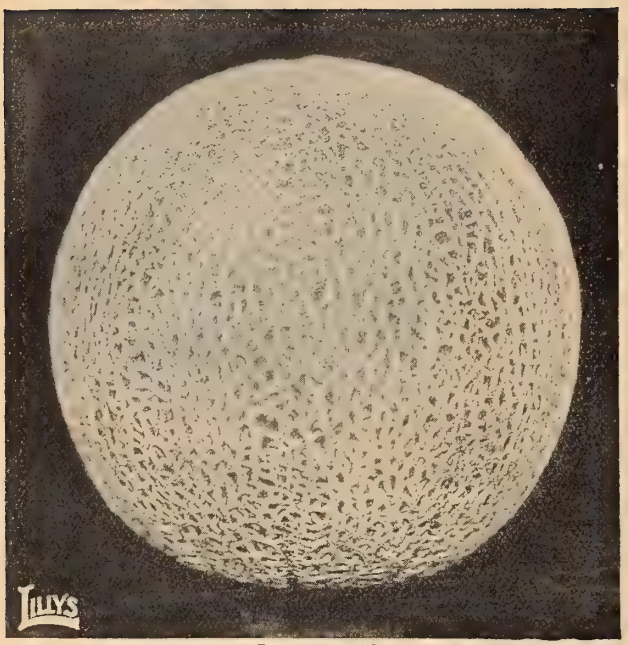
Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** Postpaid.

Dwarf Green Curled

A very hardy and vigorous variety of dwarf, spreading habit. The large green leaves have a bluish tinge or bloom, are comparatively plain in the center, but are cut and frilled at the edges.

sealed packages.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** Postpaid.



Pollock 10-25

LILLY'S Improved Rocky Ford

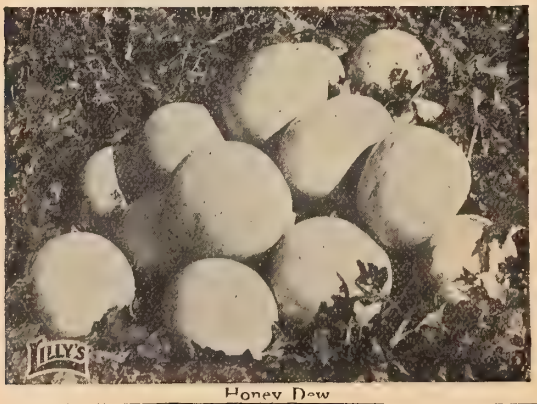
The Rocky Ford is the delicious little cantaloupe served in the best restaurants and hotels. It is small, about five inches in diameter, oval in form, and the skin is rich greenish-gold covered with a beautiful yellow netting. The flesh is light green, very deep, ripening clear to the rind, very solid and with a very small seed cavity.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$2.00,** Postpaid.

Extra Early Hackensack

A popular variety. The fruits are round, about seven inches in diameter, well ribbed and heavily netted. The flesh is pale green, sweet and melting.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$2.00,** Postpaid.



Honey Dew

Musk Melon

LILLY'S Pollock 10-25

Salmon Tint

The latest and positively the most successful of any Musk Melon introduced to date. It is not an untried variety but one that has proved its merit which distinguishes it as the most popular melon with growers everywhere. It is a reselection from the Pollock No. 25 and supercedes that excellent sort by reason of its long distance shipping qualities. An early melon of the solid netted type, very small seed cavity with thick luscious flesh of genuine salmon tint shading to green near the rind. A prolific yielder and is admittedly the finest salmon-fleshed melon ever introduced. We strongly recommend a trial.

Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** 1 lb. **$2.50,** Postpaid.

Burrell's Gem

A very popular variety in this locality. The skin is rather dark green; the rind is thin, and flesh very thick, salmon colored, of a most delicious, juicy flavor.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Rocky Ford or Netted Gem

Very popular for market and the home garden. It is medium early; the fruits are oval, slightly ribbed and densely covered with fine netting. The flesh is green, very sweet and highly flavored.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Osage or Miller's Cream

Medium early, large and nearly round. The skin is deep green, free from netting, heavily ribbed and light green bands between the ribs. The flesh is very thick, orange colored, firm and of fine quality.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.50,** Postpaid.

Nutmeg

A well-known old variety. The fruits are round, about seven inches in diameter, well ribbed, heavily netted. The flesh is pale green sweet and melting.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.50,** Postpaid.

Honey Dew

Fruits with smooth, almost white rind, measuring about six inches in diameter by seven to eight inches long. The green flesh is thick and is of a peculiar sweet flavor. To have the melons in the best condition gather as soon as they slip from the vine and store in a cool place for two or three days.

Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** 1 lb. **$2.50,** Postpaid.

Mushroom Spawn

Lambert's Pure Culture is produced by a new system of selection and inoculation. The pure cultures are taken direct from selected specimens and produce mushrooms of the finest quality of uniform variety and color. We can furnish either white, Cream-White or Brown varieties. In bricks weighing about one and one-quarter pounds. One brick is sufficient to spawn nine square feet of bed.

Brick **40c,** 5 Bricks **$1.75.** Postage extra.

Ask for leaflet on Mushroom Culture—FREE on request.

Water Melon

One ounce of seed will plant 30 hills

LILLY'S King and Queen

Best Early Variety for Market

The fruit is of uniform medium size; round, smooth and of fine appearance. It is very early and yields prodigiously. The flesh is a beautiful bright red, crisp and of delicate texture, granulated, cool and sparkling. It has very few seeds, the heart is solid and the fine quality is sustained clear to the rind. Sold in sealed packages only.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Georgia Rattlesnake

Very large and long, suitable for warm localities. The skin is light green, distinctly striped and blotched with a darker shade. The flesh is bright scarlet tender and sweet.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Cole's Early

One of the easiest varieties to grow; very early and adapted to conditions in the Northwest. A good shipper and excellent for market; also a good variety for the home garden. It is not large but is very productive; nearly round; the rind is very thin, and the deep red flesh is of excellent quality.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.25,** Postpaid.

Kleckly Sweet or Monte Christo

An excellent variety for home use, but the rind is too thin to stand shipping long distances. It is of medium size; oval; dark green slightly mottled. The flesh is bright red and exceedingly sweet.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.25,** Postpaid.

LILLY'S Sweet as Honey

Unequalled for Home Use in the Northwest

This is the best and most delicious of all early watermelons for the Northwest. It is medium in size, oblong in form, and the skin is a rich dark green. The flesh is bright scarlet clear to the rind, and entirely free from stringiness. The seeds lie close to the rind, leaving a very large solid core, lusciously sweet crisp and melting. Sold in sealed packages only.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Florida Favorite

Very large and of excellent quality. The fruits are long, dark green, irregularly striped and mottled. The flesh is deep red very sweet and tender. Seed nearly white.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.25,** Postpaid.

Tom Watson

Probably the best shipping melon, and one of the best main crop sorts; grows a very large size. Fruit large and long in shape, colored a medium green with a light tracing of a darker shade, flesh rich red and of good quality; seeds white.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1-lb. **$1.50,** Postpaid.

Citron—Red Seeded

Small round melons, used exclusively for preserves or pickles; not suitable for eating. The skin is dark green, distinctly striped and marbled with light green. The flesh is white, matures late in the fall and may be kept for a long time.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.25,** Postpaid.

No fruit is so easily grown or more delicious to eat than good Water Melon. We take every precaution to have varieties true to type.

Mustard

Southern Curled

Hardy and vigorous, with large light green leaves crimped and frilled at the edges. Excellent while young for salads and garnishing. Seed is dark brown and small.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c** 1 lb. **$1.25,** Postpaid.

White English

Leaves are dark green, small, smooth and deeply cut; mild and tender when young. The seeds are large and light yellow.

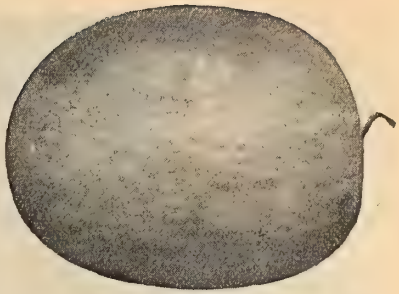
Pkt. **10c,** Oz. **20c,** ¼ lb. **45c** 1 lb. **$1.25,** Postpaid.

Okra or Gumbo

Dwarf Green

Grown for its green pods which are used in soups, stews, etc., to which they impart a rich flavor and are considered very nutritious. Produces an abundance of long, slender, pale green pods, which are very tender when young.

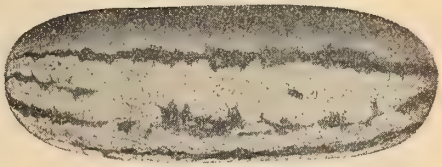
Pkt. **10c,** Oz. **20c,** ¼ lb. **50c** Postpaid.



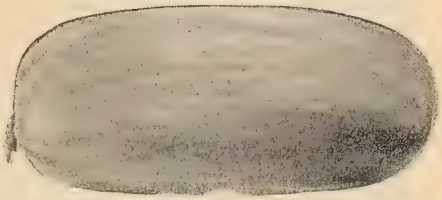
King and Queen

Cole's Early

Florida Favorite



Georgia Rattlesnake



Tom Watson

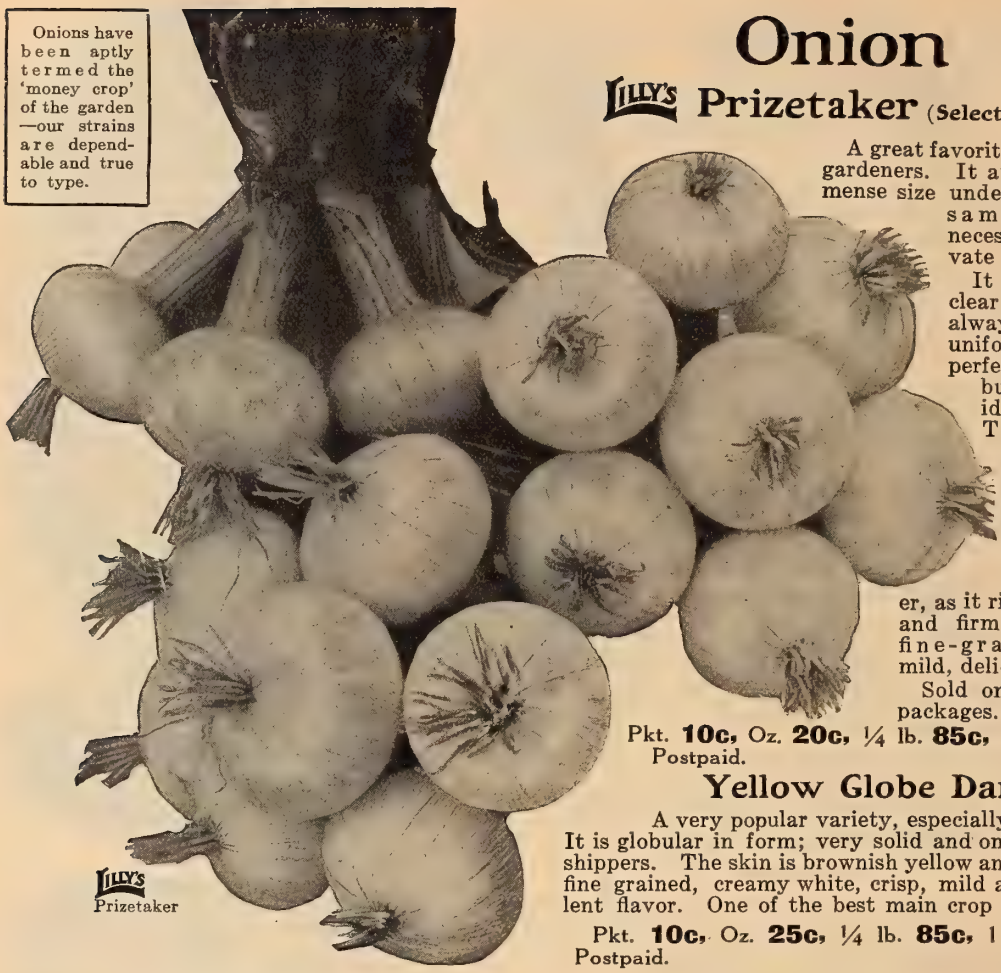
Ice Cream or Peerless

An oblong melon with dark green skin. The flesh is sweet and deep pink. A great favorite in the Yakima Valley.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Onions have been aptly termed the 'money crop' of the garden —our strains are dependable and true to type.

Onion



LILLY'S Prizetaker

LILLY'S Prizetaker (Select Stock)

A great favorite with market gardeners. It attains its immense size under exactly the same conditions necessary to cultivate other sorts. It is a bright clear straw color; always grows to a uniform and most perfect shape. The bulb is very solid and heavy. The flesh is crisp, white and of delicious quality. It is very hardy and a good winter keeper, as it ripens up hard and firm. It is very fine-grained and of mild, delicate flavor.

Sold only in sealed packages.

Pkt. **10c,** Oz. **20c,** ¼ lb. **85c,** 1 lb. **$2.50,** Postpaid.

Yellow Globe Danvers

A very popular variety, especially for market. It is globular in form; very solid and one of the best shippers. The skin is brownish yellow and the flesh is fine grained, creamy white, crisp, mild and of excellent flavor. One of the best main crop varieties.

Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** 1 lb. **$2.50,** Postpaid.

Australian Brown

An early onion of medium size and nearly globular shape, a sure keeper. The skin is a bright brown and the flesh is white, crisp, extremely solid, and of a sweet, mild flavor.

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Southport White Globe

The mild flavor of this wonderful variety is famed the world over. It will average from 2 to 2½ inches in diameter and produces large yield. The flesh is fine grained, crisp and of a very fine flavor and snowy white in color.

Pkt. **10c,** Oz. **30c,** ¼ lb. **$1.00,** 1 lb. **$3.00,** Postpaid.

Yellow Flat Danvers

Very similar to Yellow Globe Danvers, except in shape. It is early, very productive and reliable. The form is round, flattened with small neck. The skin is thin and pale yellow and the flesh is white and mild.

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Large Red Wethersfield

A very large onion flattened in shape and with skin of a purplish red color, and flesh purplish white; rather strong flavored, but good and an excellent keeper.

Pkt. **10c,** Oz. **25c,** ¼ lb. **85c,** 1 lb. **$2.50,** Postpaid.

LILLY'S White Queen (For Pickles and Early Green Onions)

This small white onion is used for pickling, and is also a favorite for green onions in the market garden and home garden, as it produces green onions almost as early as they can be produced from sets. They are extra early, very small, round, not necky, handsome, and very hard and crisp. The color is a beautiful waxy white, and flavor is deliciously mild. Sold in sealed packages only.

Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.35,** 1 lb. **$4.00,** Postpaid

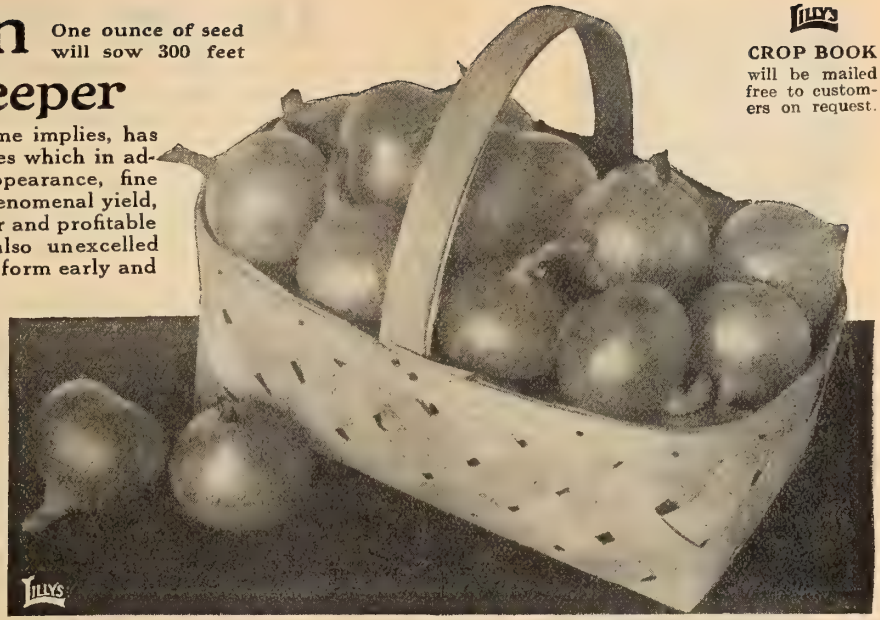
Onion

One ounce of seed will sow 300 feet

LILLY'S Longkeeper

Longkeeper, as the name implies, has marvelous keeping qualities which in addition to its splendid appearance, fine quality and flavor, and phenomenal yield, makes it the most popular and profitable for the market. It is also unexcelled for home use, as the bulbs form early and they may be used all summer. It is globular in form; of an attractive brownish yellow color, mild and of delicious flavor. The neck is very small, and the tops die down entirely; of medium size, uniform, very solid and heavy, and produces immense crops. Sold only in sealed packages.

Pkt. **10c,** Oz. **30c,** ¼ lb. **90c,** 1 lb. **$3.00** Postpaid.



LILLY'S CROP BOOK will be mailed free to customers on request.

LILLY'S Western Wethersfield

An improved strain of Western Wethersfield, acclimated to the Pacific Coast. It is flattened like the Red Wetersfield, is very large, and our selected seed produces large crops, free from necky or misshapen bulbs. The color is a rich dark red; flesh is a sparkling purplish white, and the flavor is good. Highly recommended for those who wish a large red onion. Sold in sealed packages only.

Pkt. **10c,** Oz. **30c,** ¼ lb. **90c,** 1 lb. **$3.00,** Postpaid.

White Portugal or Silverskin

A very popular medium white onion, much used for green onions, pickles and for fall and winter planting. The bulbs grow to good size, ripening early and quite evenly, are silvery white, nearly round when of bunching size, but flattened when mature. The flesh is mild and of

Pkt. **10c,** Oz. **30c,** ¼ lb. **$1.00,** 1 lb. **$3.00,** Postpaid.

Oregon Yellow Danvers

A type developed in Oregon where it is very popular, in fact, it is considered by many the standard market variety in that State. The bulbs ripen up hard and early; are good keepers; an excellent sort for table or market. It has the thin brownish yellow skin of the Danver types with firm, white, fine grained flesh which is mild in flavor. Bulbs grow uniformly large, half globe shape with small neck.

Pkt. **10c,** Oz. **25c,** ¼ lb. **95c,** 1 lb. **$2.75,** Postpaid.

HINTS ON ONION CULTURE

Onions require a well-drained loam. The land should be very rich and it is necessary that it should have raised a hoed crop the previous season. It is a mistake to attempt to grow onions on weedy or rundown land. To get the best results a heavy top dressing of well-rotted barnyard manure should be well worked into the soil. After this a complete commercial fertilizer containing a large proportion of potash should be used. This should be sown broadcast at the rate of 1,000 pounds per acre. If the land has been in a high state of cultivation the commercial fertilizer may replace the barnyard manure. It costs no more to cultivate a crop that yields 800 bushels per acre than it does to cultivate a crop that yields only 300 bushels. When land is in good condition onions may be grown on it from year to year. Seed should be sown as early in the spring as the land can be worked. If intended for hand cultivation, sow in rows 12 to 14 inches apart, and if for horse cultivation about 30 inches apart. It requires about four pounds of seed per acre.

Onions growing for seed

Onion Sets

WHY THEY ARE PLANTED

Onion Sets are now an established and recognized factor in onion production. The reasons for this general use are easily understood. (1) The first saving is in labor, being much less than when seed is sown. (2) Owing to quick growth the danger of loss of crop from insect pests is practically eliminated. (3) Onion Sets produce bulbs in one-half the time that is required by raising from seed. The majority of gardeners realize the great advantages to be derived from adopting this easy common sense method of obtaining early onions for table use. The grower is also able to crop much earlier.

Palo Alto

IF ONION SETS are to be shipped by parcel post, postage will be additional at regular rates. Please write for prices on large quantities.

LILLY'S **ONION SETS** are northern grown, hardy, handsome, small and of uniform size. We grow only the most suitable varieties which have proven to give best results in our section. These sets if planted very early will produce green onions early in summer, much earlier than they can be produced from seed. They will also produce mature onions, but for that purpose seed is generally planted. 1 lb. **30c.** Postpaid.

Garlic (Selected Sets)

A perennial bulbous plant of the onion family, highly esteemed for flavoring soups, stews, etc. Cultivation the same as Onion Sets. Write for prices.

Garlic (Seed)

In response to considerable demand we offer choice seed: Price on application. Cultivation the same as onion seed.

Parsnip

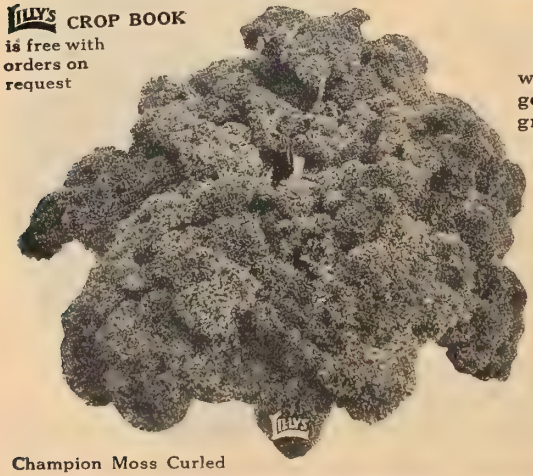
LILLY'S Palo Alto

The flesh is white and of fine texture, tender, free from core and stringiness, and of superior flavor, sweet and rich. It is very hardy, and may be left in the ground all winter, or until wanted for use. Frost improves the quality and flavor. If grown in favorable soil, the roots are smooth, well rounded and tapering. They are heavy at the shoulder, and are half-long, rendering them easy to harvest. It yields immense crops, and in addition to being a delicious winter vegetable, it is an excellent stock food.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Where Our Seeds Are Tested

LILLY'S **CROP BOOK** is free with orders on request



Champion Moss Curled

Hollow Crown Parsnip

A standard and excellent variety. The roots are long, with smooth, white skin, uniform in shape, tender and of good quality. This variety is distinguishable by the leaves growing from the depression in the crown.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

LONG WHITE DUTCH

A popular variety with many gardeners. It grows smooth, long roots of excellent quality and is preferred in some sections to other sorts.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Parsley

Champion Moss Curled

A beautiful plant, and excellent for garnishing and for flavoring soups and stews. This is a hardy, vigorous, compact growing variety, with very attractive, deep green foliage, and is most popular for both home and market. The leaves are very finely cut and are so closely curled as to resemble moss.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25** Postpaid.

Hamburg or Turnip Rooted

Pkt. **10c.** Oz. **20c.** ¼ lb. **50c.** 1 lb. **$1.50.** Postpaid.

Pepper

Peppers are not a very certain crop west of the Cascade Mountains, and we recommend that the plants be started in berry boxes or on inverted sods. In warmer climates the plants may be started under glass the same as tomatoes. They should not be planted outdoors until very late in spring after the weather and soil are thoroughly warmed.

Large Bell or Bull Nose

The plants are vigorous, compact, and very productive ripening their crop early and uniformly. The fruits are large with thick mild flesh of fine qaulity for use in salads or for stuffing. The color is deep green while young, bright crimson when ripe.
Pkt. **10c,** Oz. **80c,** ¼ lb. **$2.30,** Postpaid.

Long Red Cayenne

The true Cayenne, hot and pungent. Medium early, bearing slender, twisted pods about four inches long. Deep green while young, bright red when ripe.
Pkt. **10c,** Oz. **80c,** ¼ lb. **$2.35,** Postpaid.

Pimiento

This new pepper is very mild with thick, heavy flesh and has a delicate flavor. Of good shape, being of medium length and smooth. Delicious when used in salads or creamed like onions. Very prolific and a good shipper.
Pkt. **10c,** Oz. **75c,** ¼ lb. **$2.25,** Postpaid.

Chinese Giant

Its mammoth size, splendid shape, beautifully rich, glossy-red flesh and mild flavor, all lead us to recommend it. Its strong bushy plants are heavily loaded with large fruits, which are produced throughout the season. A very unusual variety worthy of the highest recommendation.
Pkt. **10c,** Oz. **80c,** ¼ lb. **$2.40,** Postpaid.

Ruby King

Fruit of a bright red color six to seven inches long by about four inches through. Remarkably pleasant and mild in flavor, and can be eaten sliced with vinegar, like tomatoes. The best for making mangoes.
Pkt. **10c,** Oz. **80c,** ¼ lb. **$2.40,** Postpaid.

Pumpkin

Sugar or Sweet Pie

The best variety for making pies. The vines are very productive. The fruits are round, somewhat flattened, and of a deep orange color. The flesh is a rich yellow, thick and meaty.
Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Connecticut Field

A large, productive, orange colored field pumpkin, usually grown for stock, but good for pies.
Pkt. **10c,** Oz. **20c,** ¼ lb. **35c,** 1 lb. **$1.25,** Postpaid.

Jumbo or King of Mammoth

The largest pumpkin grown, sometimes weighing more than two hundred pounds. The skin is salmon-orange, and the flesh is bright yellow, very thick, and of excellent quality for pies as well as for stock.
Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Large Cheese

A large variety, producing pumpkins in abundance. Has thick meat of fine quality. very suitable for canner's use.
Pkt. **10c,** Oz. **20c,** ¼ lb. **35c,** 1 lb. **$1.00,** Postpaid.

Rhubarb or Pie Plant—Mammoth Victoria

The largest and finest cooking variety. It is vigorous and very productive of thick, red stalks of fine quality, juicy and rich.
Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Salsify or Vegetable Oyster

Salsify or Vegetable Oyster

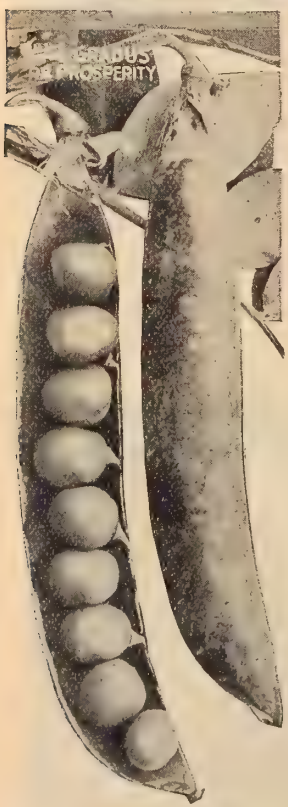
Mammoth or Sandwich Island

A very desirable winter vegetable; palatable, nutritious, and may be served in a variety of ways. This is the most popular variety, growing twice the size of any other. Mild and delicately flavored.

Pkt. **10c,** Oz. **30c,** ¼ lb. **90c,** 1 lb. **$2.75** Postpaid.

Connecticut Field Pumpkin

BE SURE YOU PLANT LILLY'S



Peas Early Varieties

One pound of seed for 50 feet of drill

Peas from any one planting will remain in the best condition for use only for a comparatively short time. To have a constant supply throughout the season, a succession of plantings should be made.

The dwarf varieties do not bear as heavily nor for as long a period as the climbing sorts, but for small gardens they have the advantage that they are economical in space and do not require support. Consequently they are grown almost exclusively by many Western gardeners. One or two dwarf sorts sown every ten days or two weeks will maintain a supply.

LILLY'S Washington Wonder

Favorite Extra Early Dwarf Wrinkled

An old favorite, and a splendid extra early dwarf pea. It grows only about sixteen inches high, and requires no support. It is quite prolific, and produces a good crop of well filled pods containing six to nine good-sized wrinkled peas of excellent flavor. It is sufficiently hardy to be sown in the fall on the Pacific Coast, thereby producing peas several weeks earlier than spring sown seed. It is as early as the extra smooth varieties, and very much superior in quality and flavor. Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

LILLY'S World's Record

An Excellent Early Wrinkled Variety

World's Record is an English variety which has proved to be perfectly adapted to the Northwest. Our seed has been grown in this locality for several seasons, and is thoroughly acclimated. The vines are semi-dwarf, growing about three feet high, and the yield, size and quality of the peas is wonderful considering its extreme earliness. The pods are large, dark green, of the Gradus type, and are filled with eight or ten large wrinkled peas, sweet and of fine flavor.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

LILLY'S Gradus or Prosperity

Best Extra Early Wrinkled Pea

This grand extra early pea has no superior and few if any equals. It is practically as early as the small, round, hard, smooth peas commonly grown for extra early, and it is so much better in every other way that it is fast displacing them for first early crop. It is equal in quality to most of the late varieties, and many of our customers use it exclusively,sowing in succession for early, medium and late.

The vine is vigorous, robust, heavy stemmed, and grows only two and one-half to three feet high. The pods are large and are filled with six to ten very large, wrinkled, marrow peas of the most delicious flavor as large, as sweet, and as tender as the finest late peas. Our seed is grown from the original strain, acclimated in the Northwest.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Blue Bantam

A New First Early Dwarf Wrinkled Pea

The raisers claim that this variety is unequaled for combination of extreme earliness, superb quality, and unusual productiveness. The dwarf vigorous vines average fifteen inches in height and carry really enormous crops of large, deep bluish-green pods. The pods measure four to four and one-half inches long and are tightly packed with eight to ten large, deep bluish-green peas of **most luscious flavor.** It has jumped into first place among the Dwarf Early peas and we certainly recommend a trial.

1 lb **40c,** 10 lbs. **$3.50,** Postpaid.

PUGET SOUND PEAS are the finest in the world. We grow many hundreds of acres annually for our home and export trade. All the varieties offered are produce of our own crops grown in Washington and are thoroughly recleaned to remove all impurities.

Write for prices on large quantities

Peas Early Varieties

Lilly's Thomas Laxton

Extra Early and Fine Quality

Thomas Laxton Peas are very similar to Gradus in every way except the shape of the pods, the ends of which are square, and the pods and and vines are a darker green. It is nearly or quite as early as Gradus, and the large wrinkled, dark green peas are sweet, tender, delicious, and unexcelled in quality by any of the late varieties. The vines grow about three feet high.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Lilly's Superb

Very Productive

One of the best of the new English varieties. An exceptionally early, productive and handsome pea. Height 16 inches. Vine and foliage moderately heavy, medium green; pods deep green, 4 inches long, semi-broad, pointed and well filled with 8 to 9 very large and very dark green peas. Fully as early as Laxtonian and more productive; seed blue, semi-wrinkled.

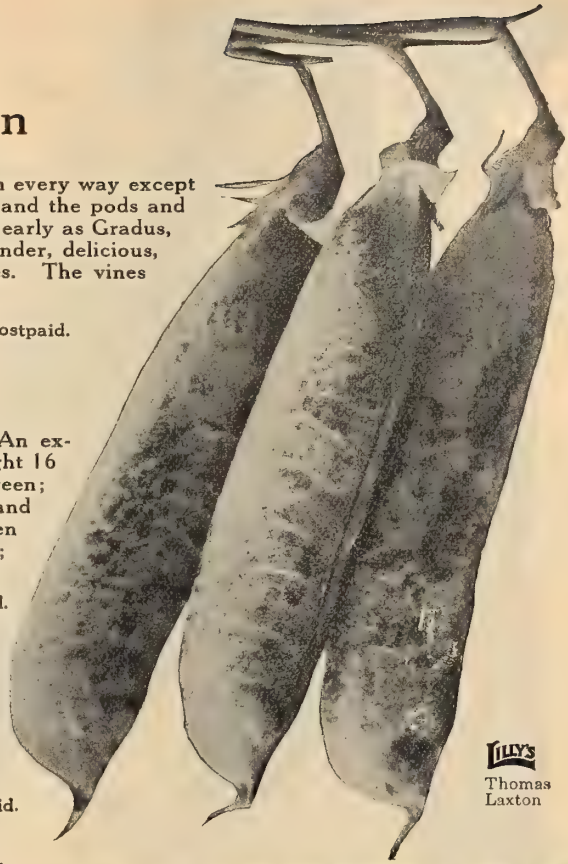
Pkt. **15,** ½ lb. **25,** lb. **40,** 10 lbs. **$3.50,** Postpaid.

Laxtonian

One of the Leading Dwarfs

A large podded, dwarf variety on the order of Gradus, though more dwarf and a little earlier. Height 1½ feet; pods and vine dark green; pods 3¾ inches long, straight and pointed, containing 6 to 8 large, dark green peas.

Pkt. **15,** ½ lb. **25,** lb. **40,** 10 lbs. **$3.50,** Postpaid.



Lilly's Thomas Laxton

American Wonder

Very early, and of dwarf compact growth, about twelve inches high. Very popular with those who object to making a support for the vines. The pods are about three inches long, straight, round, blunt at the ends, and light green. The peas are of medium size, wrinkled, and of fine quality.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Nott's Excelsior

A dwarf, early variety, about fourteen inches high, and quite productive. The pods are three inches long, round and blunt at the ends. The pods are of medium size, green, wrinkled.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Little Gem

A medium early dwarf variety, growing about fifteen to twenty inches high, robust, branching, and productive. The pods are about three inches long, well filled with medium-sized, green, wrinkled peas.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Alaska, or Earliest of All

A well-known, smooth seeded, extra early variety, extensively used by canners. The vines are strong and vigorous, two feet high, and of light green color. The pods are about three inches long, and are well filled with round, blue peas, slightly pitted.

Pkt. **15c,** ½ lb. **25c,** 1 lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Nott's Excelsior

Peas Main Crop and Late Varieties

LILLY'S Tall Telephone

LILLY'S Tall Telephone

The Market Gardener's Favorite

The old standard market gardener's main crop, large podded pea. Vine and foliage strong and heavy, medium green. Grows four to five feet high, and bears an abundance of long, straight, pointed pods filled with large peas of a rich, sugard flavor. Main crop, very productive.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpaid.

LILLY'S Dwarf Telephone

An Excellent Late Dwarf Pea

An improvement on the old Daisy, having larger and darker green pods. Height 2½ feet, vine and foliage dark green and exceptionally stout; pods dark green, 4½ inches long, straight and pointed; containing 8 to 9 dark green peas of the best quality.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpaid.

LILLY'S Lincoln

A Dwarf Main Crop Pea of Fine Quality

A splendid dwarf main crop pea. The variety originated in England, but our seed is grown and acclimated in the Northwest. The vines grow about two feet high, making it popular with those who dislike the labor of making a support for them. The peas are of medium size, curved and pointed, and are well filled with good-sized wrinkled peas, very sweet and of excellent quality.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Quite Content

A Giant Podded Main Crop Marrowfat

A tall-growing late or main crop variety, five to six feet high, bearing exceedingly large pods in pairs. The peas are large, wrinkled and of good quality.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpd.

Alderman

Large Podded, Fine Flavor

A splendid new large podded main crop pea, growing about five feet high. The pods are larger than the Telephone, are dark green, and are well filled with large wrinkled peas of fine flavor.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpd.

Prizewinner

Yields Abundantly

A good second early or main crop variety. The vines grow about three feet high, and bear abundantly; very large, deep green, slightly curved, pointed pods, well filled with large, wrinkled peas of exceptionally fine flavor.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Dwarf Grey Sugar

Luscious in Flavor

An edible pod pea growing about two feet in height. Pods very delicious when cooked same as green or wax beans.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpaid.

Swedish Sugar

A tall edible pod pea of decided merit. Excellent eating both as pod and shell peas. Sweet in flavor. Grows 6 to 7 feet high. Our stock is true.

Pkt. **15c,** ½ lb. **25c,** lb. **40c,** 10 lbs. **$3.50,** Postpaid.

After Thirty-six Years

It has taken thirty-six years to make the LILLY name what it is today.
Such an achievement is not to be attained in a single year—scarcely in a decade.
No matter how sincere the desire, no matter how complete the equipment, no matter how capable the executive minds, time is indispensable.
It must be a growth, an unfoldment, nourished by the highest ideals.
THE LILLY NAME TODAY is a synonym for Seed Service and Satisfaction—a guarantee of integrity and authenticity of treatment.

Write for prices on large quantities

Seed Potatoes

Early Rose

This old standard early potato is one of the best early varieties. Early Rose is too well known to require much description. It is of good size, oblong, the skin has a rosy blush and the flesh is white.

Earliest of All

Earliest of All has frequently made the best showing of any of the early varieties in our trial grounds. It is about two weeks earlier and more productive than many other varieties. It is a round, white potato, very similar to Irish Cobbler, is uniform in size and shape, smooth, and of fine quality.

Irish Cobbler

A splendid extra early variety, and one of the best for early market. The tubers are very handsome, almost round, larger than most other early potatoes, and uniform in size and shape, producing very few small potatoes. The skin is creamy white sometimes slightly netted.

MAIL ORDER EARLY

Notice

It sometimes happens stocks become exhausted earlier than we anticipated, it being impossible to foresee in advance of planting season what the demand will be. Moreover, crops vary considerably in regard to quantity and quality which increases the difficulty of providing suitable seed of any particular variety. We, therefore, request customers to name a second or even third choice when ordering. In the event of our being sold out of the particular variety ordered we will substitute the nearest similar variety unless specific instructions to the contrary accompany the order. All orders received for potatoes are filled in strict rotation.

Gold Coin

A first-class main crop variety which, although of comparatively recent introduction, has rapidly come to the front. Grows to a large size—vines strong and vigorous. Very productive. The tubers are white tinged with pink of fine cooking and eating quality.

Other Varieties

In addition to the above we expect to purchase from reliable growers such varieties as Burbank, Netted Gem, American Wonder, Early Ohio, Beauty of Hebron, Early Puritan and others. Such good varieties as we can purchase will be listed in price list supplements which we will issue from time to time, and which we will gladly mail to you on request.

Bovee

One of the best varieties, and very productive. It yields a very large percentage of perfectly formed tubers of good size. The tops are short and compact and the potatoes are set close in the hill. The skin is pink or flesh color; the flesh is white and of good quality.

Up-to-Date

This new main crop potato excels any other late variety. It is a remarkably heavy cropper, exceedingly vigorous and free from disease. The tubers are slightly oblong, flattened, grow to a uniform size, are very attractive, with few and exceedingly shallow eyes. The skin and flesh are white, and the cooking qualities are of the very best.

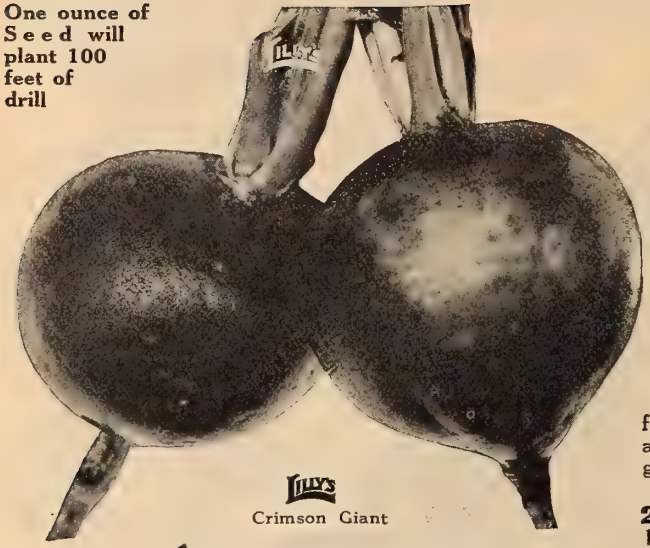
Jerusalem Artichokes

These are quite distinct from the Green Globe Artichoke listed in the Vegetable Seed Section of this catalog. The tubers resemble potatoes, but, although by some they are considered a great delicacy, in this country they are used mostly for hog food. They are easy to grow, and are one of the best and cheapest foods for hogs. They should be planted and cultivated the same as potatoes, and will produce immense crops, but they are very hardy and persistent, and are often planted on new land and the hogs allowed to harvest them, at the same time subduing the land.

Price, subject to change. See supplement following page 48 or write for quotations.

One ounce of Seed will plant 100 feet of drill

Radish



Crimson Giant

LILLY'S Crimson Giant

King of All Early Radishes

Crimson Giant is double the size of any other variety of the early turnip-shaped type, but does not become hollow or pithy, the flesh remaining white, solid, crisp, tender and juicy and of the mildest flavor. It is equally suitable for early planting outdoors, and for succession. The texture and flavor is unequalled.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Early Scarlet Turnip

A standard variety for early outdoor planting for home or market. The roots are small, round and deep scarlet. The flesh is white and of good quality.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.25,** Postpaid.

LILLY'S Earliest Of All

A Delicious Early Breakfast Radish

A very superior extra early turnip-shaped radish, equally good for forcing or early outdoor culture. It is small, very uniform, round, and the color is bright scarlet with an attractive white tip and a very small tap-root. The flesh is sparkling white, mild, crisp and tender.

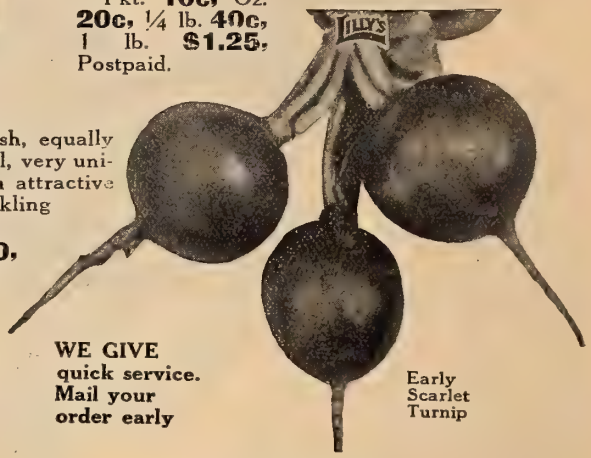
Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Early Scarlet Turnip (White Tip)

Also known as Rosy Gem

A very popular extra early turnip-shaped radish. The roots are bright scarlet; with a distinct white tip. The flesh is white and of good quality.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.



Early Scarlet Turnip

WE GIVE quick service. Mail your order early

Earliest of All

French Breakfast

A quick-growing, small, olive-shaped radish. The color is deep rose-scarlet except a little clear white about the tip. Excellent for forcing or for the home garden.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

China Rose Winter

A splendid long white variety for growing during the summer months. The roots when mature, are four to six inches long, thick at the shoulder, somewhat tapering.

Pkt. **10c.** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

White Strasburg

An excellent winter radish. The roots grow about five inches long and two inches in diameter. The flesh is white firm, crisp and pungent. Seed should be sown late in summer.

Pkt. **10c.** Oz. **15c,** ¼ lb. **45c,** 1 lb. **$1.50,** Postpaid.

Round Black Spanish

A popular winter radish. The roots are round, sometimes top-shaped, three or four inches in diameter. The skin is black; the flesh white, very compact, decidedly pungent but well flavored.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Long Bright Scarlet

An excellent early long red radish. The roots are smooth slender, about six inches long, uniform in shape and very attractive. Keeps well.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** 1 lb. **$1.25,** Postpaid.

Radish

LILLY'S White Icicle

An Early Long White Radish

The finest early long white radish. It is ready for use nearly as early as the early turnip-shaped varieties, and remains in good condition longer than any other early variety. The tops are very small, and the roots are long, slender, pure white and very attractive. The flesh is crisp, tender, sweet and delicious, and remains in that condition until the roots have attained large size. Sold only in sealed packages. Pkt. **10c,** Oz. **20c.** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Half Long Deep Scarlet

A valuable variety for forcing. Very popular in the South. The Radishes are of slightly larger diameter and most brilliant-scarlet coloring. Flesh purest white, crisp and juicy.

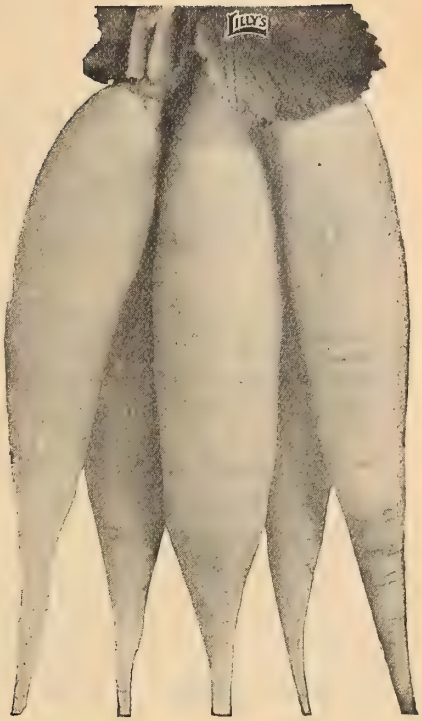
Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

RADISH is a hardy, quick-growing crop, and the seed may be sown as soon as the ground can be worked properly in early spring, and for succession at intervals of ten days or two weeks as long as wanted. The soil should be very rich, light and warm. To make them crisp and brittle they must be grown quickly, and for that purpose one or two applications of nitrate of soda will be very beneficial.

The seed may be sown in drills a foot apart and the plants thinned to about two inches, or the seed may be mixed with seeds of slower growing crops such as lettuce, carrots, parsnips, etc., and the radishes will be used before the other crops need the space.

Winter radishes are grown the same as turnips, and the seed should be sown in the latter part of July or any time in August.

Radishes are very subject to root maggots, and the only practical cure yet invented is to apply LILLY'S MAGGOTBAIT, further particulars of which are given on later pages of this catalog.



LILLY'S CROP BOOK is a practical help to every gardener. It is free with orders on request.

THE GARDEN is art and the plants are in part the objects through which this art finds expression.

Spinach

LILLY'S Mammoth Victoria

A very superior variety. It is especially good for early spring and successive plantings for summer use, but is also an excellent variety for fall planting for winter and early spring use. It is a long-standing variety, very slow in going to seed.

Pkt. **10c,** ¼ lb. **25c,** 1 lb. **75c,** Postpaid.

Viroflay

Has very large, thick, dark green leaves. A favorite with market gardeners for either fall or spring sowing.

Pkt. **10c,** ¼ lb. **25c,** 1 lb. **75c,** Postpaid.

Bloomsdale Savoy Leaved

A very early variety, hardy, and suitable for early spring use. The leaves are large, round and thick, very much savoyed.

Pkt. **10c,** ¼ lb. **25c,** 1 lb. **75c,** Postpaid.

Thick Leaved Improved

For either fall or spring sowing. Produces large, thick, bright green, crumpled leaves of excellent quality. Slow in running to seed.

Pkt. **10c,** ¼ lb. **25c,** 1 lb. **75c,** Postpaid.

Prickly Winter

A standard market gardeners' variety for fall sowing. The leaves are bright green, large, smooth, and shaped like an arrow head.

Pkt. **10c,** ¼ lb. **25c,** 1 lb. **75c,** Postpaid.

New Zealand Spinach

The stems and leaves are soft, thick, fleshy, and of a crystalline appearance. Started early in spring, the plants will resist heat and make a strong growth during the summer. Pick off the leaves from the stem, cooking them only, and you will have delicious greens all summer long.

Pkt **10c.** Oz. **25c,** ¼ lb. **75c,** 1 lb. **$2.25,** Postpaid.

Squash

Summer Varieties

Early Summer Crookneck

Early and Productive

A popular early bush variety. The fruits are of the well known crook-neck form, deep yellow, densely warted, and of good quality and flavor.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

White Bush Scallop

An early bush squash; large, often twelve inches in diameter; flattened; scalloped around the edges; and of a clear, waxy white.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

English Vegetable Marrow

Very popular in England and can be grown equally well here; they should be eaten when less than half grown, at which time the flesh is very tender and may be cooked like other squash or fried like eggplant. Oblong in shape, color creamy-white.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Winter Varieties

LILLY'S Hubbard

Unequalled for Winter Use

An improved strain of the true Hubbard, which is still unexcelled. The vines are strong, vigorous and productive. The fruits are large, and the shell is dark green, extremely hard, and densely warted. The flesh is golden-yellow, thick, fine grained, dry, sweet, and no other squash can compare with it in flavor. It is unequalled as a winter keeper and shipper.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

LILLY'S Delicata

For Summer or Winter

Delicata is the earliest vine squash, maturing nearly as early as the bush varieties, and is of very superior quality. Being a hybrid, it varies considerably in form and color, but the quality is uniformly good. It is as dry, sweet and deliciously flavored, and if properly stored will keep nearly as long. The fruits are small, and the flesh is rich, dry and mealy.

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Mammoth Chili

The largest of all squashes. The fruits are smooth; oblong, flattened at the ends, and orange color. The flesh is fine grained, sweet and good for pies: also good for stock food.

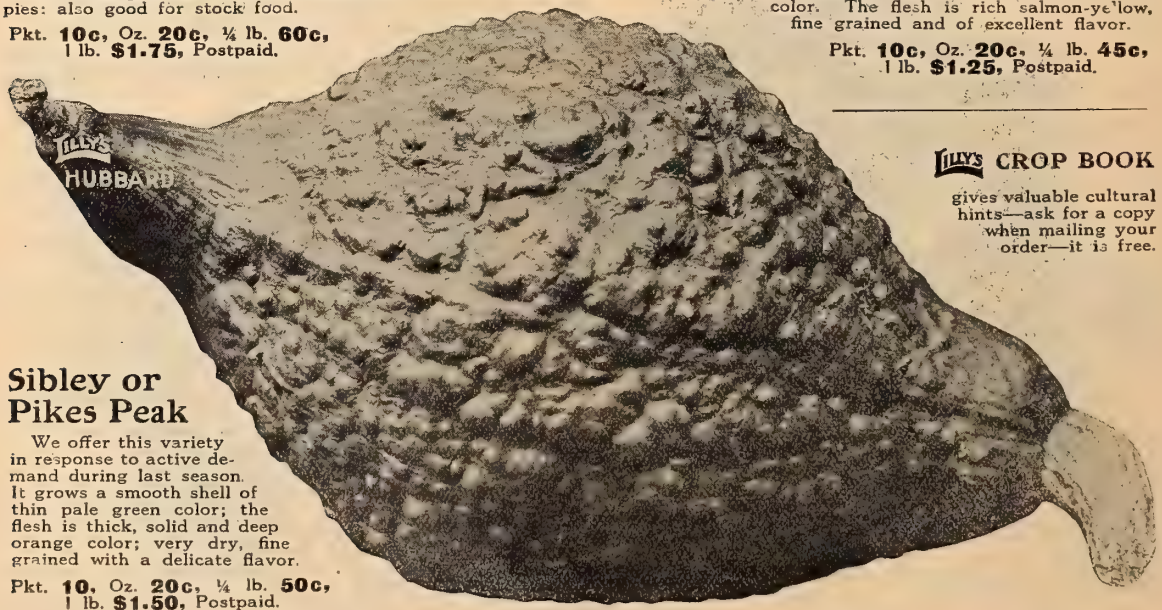
Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Boston Marrow

Produces Large Oval Fruit

A very popular vine squash for fall and winter use. The fruits are of medium size, oval shape and orange color. The flesh is rich salmon-yellow, fine grained and of excellent flavor.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.



LILLY'S CROP BOOK

gives valuable cultural hints—ask for a copy when mailing your order—it is free.

Sibley or Pikes Peak

We offer this variety in response to active demand during last season. It grows a smooth shell of thin pale green color; the flesh is thick, solid and deep orange color; very dry, fine grained with a delicate flavor.

Pkt. **10,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Tomato

One oz. of seed should produce 2000 plants

Lilly's Puget Sound Special

A Splendid Extra Early Tomato

Puget Sound Special is decidedly the best tomato that may be depended upon to mature west of the Cascade Mountains. It is equalled in earliness only by Earliana, sometimes producing ripe fruit as early as July 4th. The flesh is solid, meaty, and of delicious flavor, with few seeds and no hard core. It is a heavy yielder of splendid firm fruits, which are of good shape and rich red color. For the Pacific Coast it is best for either early or late; also excellent for hot-house culture. Pkt. **10c,** Oz. **50c,** ¼ lb. **$1.50,** 1 lb. **5.00,** Postpaid.

Lilly's Earliana

This is one of the earliest varieties grown and the quality is excellent. It produces large clusters of medium size, deep red fruit, uniform in size and of good shape; very solid and of fine flavor. It is a popular variety for greenhouse forcing. Pkt. **10c,** Oz. **40c,** ¼ lb. **$1.35,** 1 lb. **$4.00,** Postpaid.

Lilly's Puget Sound Forcing

Best Variety for Greenhouse Culture

A prolific bearer, and most of the fruit is borne close to the main stalk, allowing close pruning. The fruit is of medium size, excellent shape for an early tomato, and of splendid quality. The flesh is firm and meaty, deep red and of fine flavor. Pkt. **10c,** Oz. **50c,** ¼ lb. **$1.50,** 1 lb. **$5.00,** Postpaid.

	Postpaid Pkt.	Oz.	¼ lb.	1 lb.
LIVINGSTON'S CORELESS. A medium large late tomato. In shape it is almost perfectly globular, with little or no depression at the stem end. There is no hard core and the seed cells are surrounded by bright red, heavy, meaty, deliciuos flesh	**10c**	**50c**	**$1.50**	**$5.00**
PONDEROSA. Ponderosa is massive in size. Of good form, smooth, free from wrinkles and does not crack. The flesh is solid and meaty, almost seedless and of delicious flavor. Our seed is carefully grown from selected stock	**10c**	**60c**	**2.00**	**6.50**
DWARF CHAMPION. A dwarf, compact, second early variety, growing only about two feet high and requiring no stake; vigorous and productive. The fruits are of medium size, smooth and of good quality	**10c**	**50c**	**1.50**	**5.00**
EARLY MICHIGAN. A popular second early variety of good quality. The vines are vigorous and productive. The fruits of medium size, crimson-scarlet color	**10c**	**40c**	**1.35**	**4.00**
NEW STONE. A very large and solid main crop or late tomato. The vines are very large, vigorous and very productive. The fruits are bright deep scarlet, oval, exceptionally smooth and uniform in size and of excellent quality. A splendid shipper	**10c**	**40c**	**1.35**	**4.00**
ACME. An old, well-known variety, popular for home use. The fruits are ripened evenly and medium early; of medium size, purplish pink, round smooth and free from cracks. The flesh is solid and of good quality and flavor	**10c**	**40c**	**1.35**	**4.00**
CHALK'S EARLY JEWEL. An exceptionally fine early variety about ten days later than Earliana; fruit uniformly smooth, round and solid; color crimson; a good canning sort for the North	**10c**	**40c**	**1.35**	**4.00**
GOLDEN HUSK. Greatly in demand for use as a preserve. The fruits are enclosed in a husk or calyx which grows about half an inch in diameter and are very sweet flavor	**10c**	**75c**	**2.50**	**7.50**
RED CHERRY. The fruits are very small, less than one inch in diameter, and are used for preserves and pickles. They are perfectly round, smooth and of bright color	**10c**	**75c**	**2.50**	**7.50**
RED PEAR Used for preserves and to make "tomato figs." The fruits are small, pear-shaped, bright red and of delicious flavor	**10c**	**75c**	**2.50**	**7.50**
YELLOW PEAR. The fruits are similar to red in shape and size, but are a rich clear yellow color	**10c**	**75c**	**2.50**	**7.50**
YELLOW PLUM. Fruits are plum-shaped, clear, deep yellow color; and the flesh is yellow and finely flavored. Used for preserves	**10c**	**75c**	**2.50**	**7.50**

Tobacco

Connecticut Seed Leaf

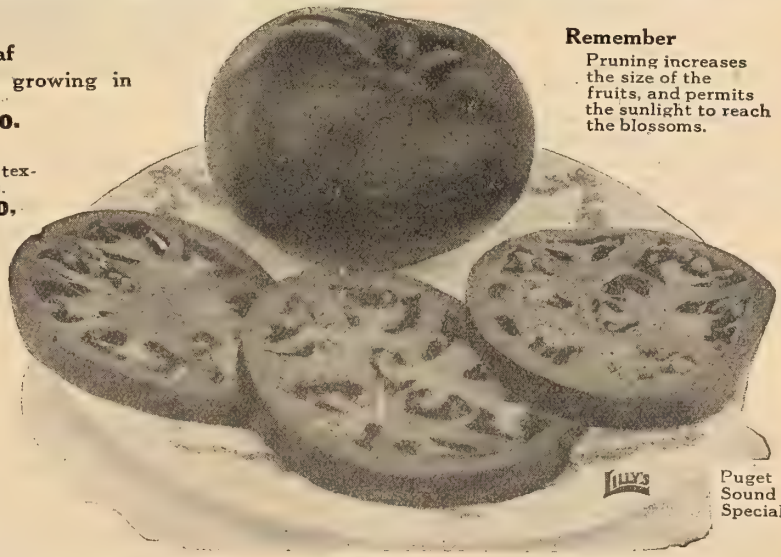
A hardy variety, adapted to growing in the Northwest.
Pkt. **10c,** Oz. **75c,** ¼ lb. **$2.50.**

Havana

The leaf is very thin and of fine texture. Much used for cigar wrappers.
Pkt. **10c,** Oz **75c,** ¼ lb. **$2.50,** Postpaid.

Remember

Pruning increases the size of the fruits, and permits the sunlight to reach the blossoms.



Puget Sound Special

TO MAKE your Garden work a pleasure you should use one of our "American Gardener Cultivators and Midget Seeder Outfits" — fully described and illustrated on page 93.

LILLY'S CROP BOOK is a true garden guide—Get your copy.

Turnip

LILLY'S Snowball

This delicious turnip is the best early variety grown. Under favorable conditions is ready for use six weeks after the seed is sown. It is small, uniform in size and shape, and almost perfectly globular. The skin is smooth, white and thin; flesh is pure, sparkling white, sweet, tender, crisp and delicious.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

LILLY'S Early White Milan

An excellent table turnip adapted for very early spring planting. The flesh is fine-grained, tender and of a mild, sweet flavor.

Pkt. **10c,** Oz. **20c,** ¼ lb. **65c,** 1 lb. **$2.00,** Postpaid.

LILLY'S Petrowski

A Favorite in Alaska

This new early yellow turnip was imported from Finland. The following is description by Prof. C. C. Georgeson, special agent in charge of Alaska investigations: "Turnip of medium size; top short, spreading so that lower leaves generally lie on the ground. Flesh yellow, tender, very pleasant. Shape rounded, almost spherical; quite uniform in size and shape. Medium early. An excellent keeper and altogether the best turnip we have ever tried in Alaska."

Pkt. **10c,** Oz. **20c,** ¼ lb. **60c,** 1 lb. **$1.75,** Postpaid.

Purple Top White Globe

An early medium-sized, globular-shaped turnip of good quality for table or stock. A heavy producer and good keeper. The flesh is white and of good eating quality.

Pkt. **10c,** Oz. **20c,** ¼ lb. **35c,** 1 lb. **$1.00,** Postpaid.

Golden Ball or Orange Jelly

One of the most delicately flavored. It is of very quick growth and is adapted to either early spring or fall planting. The tops are small. Roots are of medium size, round, very smooth, and deep yellow; the flesh is firm, crisp and of excellent quality.

Pkt. **10c,** Oz. **20,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Early White Flat Dutch

An early white turnip, popular for both table use and stock. The roots are of medium size, flat, white-fleshed, fine-grained and sweet.

Pkt. **10c,** Oz. **20c,** ¼ lb. **35c,** 1 lb. **$1.00,** Postpaid.

Purple Top Strap-Leaf

It matures very quickly and may be used for either early spring or fall sowing. The roots are flat, medium size. Color purple or dark red, white below. The flesh is white, fine grained and tender.

Pkt. **10c,** Oz. **20c,** ¼ lb. **35c,** 1 lb. **$1.00,** Postpaid.

Cowhorn

Grows very long. Very popular for stock. The flesh is fine grained and of good flavor. It grows very quickly. Well adapted for fall and early winter use .

Pkt. **10c,** Oz. **20c,** ¼ lb. **50c,** 1 lb. **$1.50,** Postpaid.

Yellow Aberdeen

A large-sized, round, late-maturing, long-keeping yellow fleshed turnip. Hardy, productive and valuable for stock feeding. The roots are yellow with purple top. Flesh pale yellow firm, tender and sweet.

Pkt. **10c,** Oz. **20,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Rutabaga

LILLY'S King of Swedes

The best and most satisfactory rutabaga for either table or stock. Wonderfully productive, large, of good shape, and a splendid keeper. The flesh is rich, yellow and of finest quality.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

American Purple-Top

One of the most popular varieties for table or stock. Very hardy and productive; flesh is yellow, solid and sweet.

Pkt. **10c,** Oz. **20,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Bangholm

Very large in size. Skin yellow with purple top. Flesh nice yellowish color, fine in texture, firm, solid and mild in flavor.

Pkt. **10c,** Oz. **20,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

Beautify Your Garden

".....to be satisfied with your possessions but not contented with yourself until you have made the best of them."
—Van Dyke

ART for art's sake is a poor enough philosophy, but art for beauty's sake, and beauty for beauty's sake are the food of the spirit whereon it shall wax strong and fine and come to full perfection. And nowhere does beauty wait so eager to reveal itself and so eager to instruct and educate as in a garden. Here any one who seeks may find, whether the scene of their efforts covers a mountain and a valley in extent or is confined to the little square of a town dooryard. Moreover, each one who has found has something to offer all the rest, regardless of their field of search; for the beauty that lies in any garden always has something to suggest to another gardener.

Lilly's Flower Seeds — ***Beautify the Home***

Sweet Alyssum — The dainty border plant.

In the following descriptions we show the height, color and season of blooming. We have also classed the plants as Annuals, Biennials, and Perennials, dividing these into Tender, Half-Hardy and Hardy. These descriptions are important to those who are not familiar with the plants, and will assist in choosing those most suitable.

Hardy Annuals may be sown outdoors in the fall or early spring, preferably fall. They bloom the following summer, and then die. Half-Hardy Annuals require an even temperature of at least sixty degrees to germinate the seed, and will not stand frost. For early blooms the plants must be started under glass or in the house, and not planted outdoors until danger of frost is past.

Tender Annuals must be grown in pots in a greenhouse or in the house, and exposed outdoors only during the most favorable weather.

Biennials are best sown outdoors in September, and will bloom the following summer, after which they will die. If sown in spring they will not bloom until the next year.

Hardy Perennials seldom bloom the first year, but usually bloom the second and many succeeding years. They may be sown in spring, but are best sown outdoors in September.

Half-Hardy Perennials require some protection during cold winter weather. The seed should be sown in boxes or pots, or outdoors late in spring.

Tender Perennials require protection during the greater part of the year.

The seed bed for flowers should be carefully prepared. The soil should be rich, consisting of a good proportion of sand and leaf mold, and should be very finely pulverized. The smaller seeds should be covered very lightly by sifting fine dirt over them, just enough to hide them. Water should be applied in a fine spray, and not too much of it. Most plants are best started under glass or in the house and transplanted when large enough.

A FLOWER GARDEN should have some protection on the north, if early flowers are desired. A southern or eastern exposure will permit the garden to get the benefit of the strong morning sunlight, which is so beneficial to plants. For a large amount of flowers in midsummer and the early beautification of a new place annual flowers will prove most satisfactory. Hardy perennials are deservedly popular, as they need little attention from year to year, but most of them are best fitted as background plants.

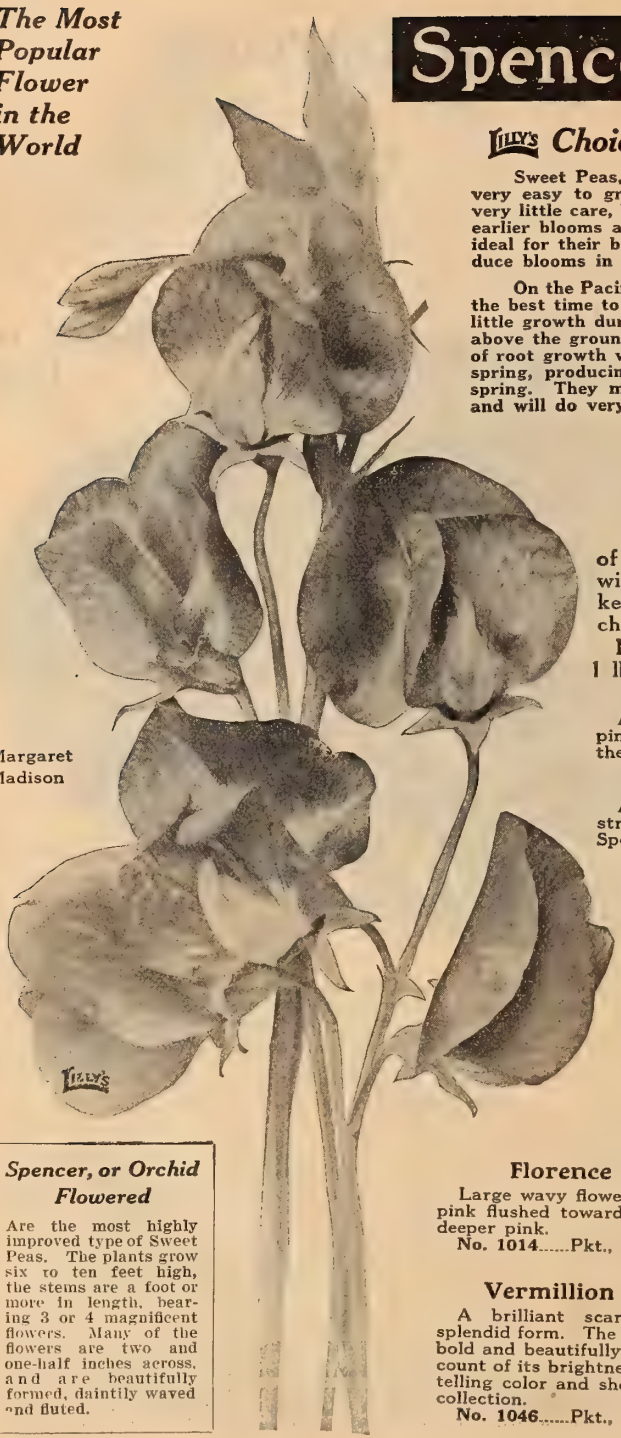
The Most Popular Flower in the World

Spencer Sweet Peas

LILLY'S *Choice Varieties Make the Garden Gay*

Sweet Peas, the most beautiful of the hardy climbing annuals, are very easy to grow, and thrive under ordinary garden conditions with very little care, but a little extra attention will be amply repaid in larger earlier blooms and brighter colors. The climate of the Pacific Coast is ideal for their best development, and in no other locality will they produce blooms in such wonderful profusion and perfection.

On the Pacific Coast, where the ground does not freeze to any depth, the best time to plant is in November. They will apparently make very little growth during the winter, and it is better if the tops do not show above the ground until spring, but they will make a remarkable amount of root growth which will induce a strong growth of vines very early in spring, producing better blooms and much earlier than if planted in spring. They may, however, be planted in February, March or April, and will do very well.



Margaret Madison

LILLY'S Mixed Spencer

A Superb Mixture of Best Giant Waved Varieties

This splendid mixture contains nearly all varieties of the Spencer type and is designed for those who wish all colors, shades and tints but do not care to keep them separate or to go to the expense of purchasing each of the many varieties.

No. 1007, Pkt. 10c, Oz. 30c, ¼ lb. $1.00, 1 lb. $3.00, Postpaid.

Mrs. Routzahn

A beautiful blending of straw-color tinted with blush-pink and shading to apricot and rose at the edges. One of the finest. **No. 1011**.....Pkt., 10c; Oz., 35c; Postpaid.

Margaret Madison

A charming, clear, azure-blue, self colored. An improved strain; large flowered and one of the most beautiful Spencers. **No. 1048**.....Pkt., 10c; Oz., 50c; Postpaid.

Margaret Atlee

One of the most magnificent. Of immense size, with large wavy wings, well poised and few stems bear less than four blossoms. The color is very attractive, a rosy salmon-pink on a creamy buff ground. **No. 1043**.....Pkt., 10c; Oz., 50c; Postpaid.

Countess Spencer

The original of the Spencer Type, and still one of the best. The color is a beautiful clear pink.
No. 949.....Pkt., 10c; Oz., 40c; Postpaid.

Dobbie's Cream

A deep large cream-color; and fine. The best Spencer of this color.
No. 1042.....Pkt., 10c; Oz., 40c; Postpaid.

Florence Morse

Large wavy flowers of soft blush-pink flushed towards the edge with deeper pink.
No. 1014.....Pkt., 10c; Oz., 40c; Postpaid.

Vermillion Brilliant

A brilliant scarlet Spencer of splendid form. The standard is very bold and beautifully waved. On account of its brightness this is a very telling color and should be in every collection.
No. 1046.....Pkt., 10c; Oz., 40c; Postpaid.

Dainty

Very large, splendidly formed flowers of blush-white distinctly picotee edged with rose-pink. A beautiful Sweet Pea of splendid Spencer form.
No. 1008.....Pkt., 10c; Oz., 40c; Postpaid.

Primrose

The best of its class. Clear primrose of the best Spencer form. The flowers are large and beautifully waved.
No. 1002.....Pkt., 10c; Oz., 40c; Postpaid.

Spencer, or Orchid Flowered

Are the most highly improved type of Sweet Peas. The plants grow six to ten feet high, the stems are a foot or more in length, bearing 3 or 4 magnificent flowers. Many of the flowers are two and one-half inches across, and are beautifully formed, daintily waved and fluted.

Spencer Sweet Peas

Royal Purple

Considered to be the best purple Spencer. The color deepens and improves as the flowers age. A strong grower, very floriferous and excellent for exhibition.

No. 1113.....Pkt., **10c**; Oz., **55c**; Postpaid.

Blanche Ferry

Standard bright carmine rose, wings white hinged with pink. Medium size, open form. An old popular and vigorous variety.

No. 1114.....Pkt., **10c**; Oz., **50c**; Postpaid.

Fiery Cross

An entirely new shade of red and easily the most brilliant red Spencer. The shade of red is hard to describe. A bright red-orange cerise with some salmon in it might convey the idea.

No. 1072.....Pkt., **10c**; Oz., **50c**; Postpaid.

King White

The king of all white Sweet Peas because of the perfection of the flower in every detail—form, size, waviness and glistening immaculate whiteness. **No. 1041**..Pkt., **10c**; Oz., **50c**; Postpaid.

Thomas Stevenson

Large and brillian effective flowers, fiery red orange. Practically sunproof. A grand Spencer.

No. 1044.....Pkt., **10c**; Oz., **45c**; Postpaid.

White

The flowers are very large, white and of magnificent Spencer waved form. The stems are long and generally carry four blossoms. **No. 1001**.....Pkt., **10c**; Oz., **35c**; Postpaid.

King Edward

The best pure red Spencer. It is very large, with open form, immense wings, and beautifully waved. The color is rich crimson scarlet. **No. 1009**.....Pkt., **10c**; Oz., **35c**; Postpaid.

Illuminator

A glorious orange-salmon Spencer of striking color and magnificent form and size. **No. 1045**..Pkt., **10c**; Oz., **50c**; Postpaid.

Wedgewood

A clear light silvery-blue, with just a suggestion of mauve in the banner. An improved large flowering strain and the best variety of its color. **No. 1049**.....Pkt., **10c**; Oz., **50c**; Postpaid.

George Herbert

A large and beautiful Spencer. The color is rose-crimson suffused with magenta and showing veins in the wings.

No. 1003.....Pkt., **10c**; Oz., **35c**; Postpaid.

Asta Ohn

The best Lavender Spencer. The flowers are very large and beautifully waved. The color is a beautiful soft pinkish lavender.

No. 1005.....Pkt., **10c**; Oz., **40c**; Postpaid.

Othello

Of immense size with large drooping wings. The color is a very dark rich maroon. The best very dark colored Sweet Pea.

No. 1047.....Pkt., **10c**; Oz., **40c**; Postpaid.

Flora Norton

Flowers of medium size, but very nicely waved, and produced profusely. The color is a beautiful pale blue.

No. 1006.....Pkt., **10c**; Oz., **35c**; Postpaid.

Senator

A very large and attractive Spencer; chocolate and seal brown striped, flaked and mottled on ivory white. Very distinct and novel and one of the very largest in size.

No. 1051.....Pkt., **10c**; Oz., **35c**; Postpaid.

America

Striped and flaked brilliant carmine-red over white. Very large flowers of splendid form and striking color.

No. 1024.....Pkt., **10c**; Oz., **40c**; Postpaid.

Apple Blossom

A very large bold flower of best Spencer form. The standard is very bright rose, wings primrose with a flush of rose tint. Very robust and profuse flowering.

No. 1050.....Pkt., **10c**; Oz., **40c**; Postpaid.

"Flowers are the beautiful hieroglyphics of Nature, by which she indicates how much she loves us."
—GOETHE

Sweet Peas

Lilly's Selected Grandifloras The Best That Grows

The Standard, or Grandiflora type Sweet Peas, includes some splendid varieties and beautiful colors, and they bloom lavishly during the entire season, but the Spencer (or waved) types have now gained such popularity that they are slowly but, nevertheless, surely taking precedence over the grandifloras. The varieties we offer are, in our opinion, the best sorts to grow and will please those who still have preference for the grandiflora types.

Lilly's Royal Mixed

A Fine Mixture of Grandiflora Varieties

There are many enthusiastic lovers of gardens who wish to obtain a continuous and varied supply of bloom throughout the summer months, who find it somewhat expensive to purchase all the named varieties of their own choice, and it is to these customers Lilly's Royal mixed will appeal. Included in this mixture are the best of all varieties and colors of Grandiflora Type Sweet Peas. Every seed is of some worthy variety and will product a satisfactory blossom.

Pkt. **10c**, Oz. **20c**, ¼ lb. **40c**, 1 lb. **$1.75**, Postpaid

America
No. 364
Very attractive and unique. Crimson-scarlet striped on white.

Black Knight
No. 365
One of the darkest colored Sweet Peas, a glossy deep maroon, almost black.

Blanche Ferry
No. 964
Standard bright carmine-rose, wings white tinged with pink; open form.

Dorothy Eckford
No. 969
Large, pure white flowers of semi-hooded form. The best white.

King Edward VII
No. 954
Large; open form; bright red. Best of the pure red Grandifloras.

Lady Grisel Hamilton
No. 465
Soft lavender tinted with mauve in the standard. Hooded form.

Hon. Mrs. E. Kenyon
No. 976
Light primrose; large; semi-hooded form.

Lord Nelson
No. 1039
Dark Navy Blue. The best of the color.

Prima Donna
No. 1040
Exquisite clear, light pink; hooded form.

Prices: Any of the above Grandiflora Type: Pkt., 10c; Oz., 20c; ¼ lb., 60c; lb., $1.75; Postpaid.

Lilly's FLOWER SEEDS help to make Western Homes brighter aud in closer concord with Nature at its best

Asters

No home is complete without Asters, Nasturtiums and Sweet Peas. Lilly's choice varieties of Asters produce magnificent blooms of this popular Annual.

They require only ordinary care and good garden soil, but respond liberally to a little extra attention. They are exceedingly productive, and the delicate colors, long season of bloom, and vigor of the plants make them indispensable in the garden.

Lilly's Crego Giant Largest and Most Beautiful

These are the finest and largest of all Comet Asters. The flowers are immense, often five inches or more in diameter, and are composed of long, wavy, twisted petals gracefully formed into loose, yet densely double, half globes, equaling some of the finer Chrysanthemums.

The plants are of luxuriant, branching growth, two feet tall, and bearing twenty to thirty of these magnificent flowers on very long stems, which gives them added value for cutting. They keep in good condition longer than other varieties.

	Per Pkt.
No. 1012. Crego Giant, White	10c
No. 1013. Crego Giant, Pink	10c
No. 1036. Crego Giant, Crimson	10c
No. 1037. Crego Giant, Lavender	10c
No. 1077. Crego Giant, Azure Blue	10c
No. 1078. Crego Giant, Purple	10c
No. 1079. Crego Giant, Mixed	10c

Perennial Asters (Michaelmas Daisy)

Michaelmas Daisies fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months. Especially useful for cutting. A hardy perennial.

No. 1081. Michaelmas Daisy ..... Pkt., 10c

Asters

Lilly's Giant Branching

A Beautiful Late Flowering Variety

Splendid late-flowering branching Asters. They begin blooming about the first of September and continue to bloom profusely until killed by freezing weather. The plants are strong, branching freely and grow eighteen inches to two feet high. The flowers are large, very double, and are borne on long stems. This variety is especially valuable for bedding.

Per Pkt.

No. 940. Giant Branching, White.....10c
No. 941. Giant Branching, Pink.....10c
No. 942. Giant Branching, Lavender.....10c
No. 1080. Giant Branching, Crimson.....10c
No. 939. Giant Branching, Mixed.....10c

Lilly's Mixed Asters

A fine mixture of many of the best varieties of annual Asters, producing a great variety of splendid forms and colors.

No. 900. Mixed.....Pkt., **10c**; Oz., **70c**

Alyssum (Sweet Alyssum)

Unexcelled for borders, beds, baskets, pots, rockeries, and for cutting. It is a hardy annual, grows about nine inches high and is covered with spikes of small white flowers during the summer and fall. It may also be grown in pots in the house during winter, where the exquisite fragrance is very pleasing.

No. 2. Alyssum Benthami.....Pkt., **10c**; Oz., **30c**; Postpaid.

Ageratum (Floss Flower)

One of the very best bedding plants. It is a hardy annual of easy culture. The plants are neat, erect and bushy, six to eight inches tall, and should be planted eight to twelve inches apart. The pretty brush-like flowers are borne in clusters. Splendid for blue effects in the garden. **No. 439. Little Dorrit.** The plant is six inches tall and a foot wide and is a perfect mass of blue flowers all summer.
Pkt., **10c**; Postpaid.

No. 101. Ageratum Mexicanum, Mixed. About eight inches high of free branching habit.....Pkt., **10c**; Oz., **30c**; Postpaid.

Sweet Alyssum

Ask for Lilly's CROP BOOK

Arabis (Rock Cress)

Excellent for rockeries or edgings. Grows about six inches high and a foot in diameter, covered with pure white flowers very early in spring. A hardy perennial, easy to grow, blooming the second year from seed.

No. 1035. Arabis Alpina.....Pkt., **10c**; Postpaid.

Antirrhinum (Snap Dragon)

Usually effective bedding displays are made with these unique, bright colored plants. They are half-hardy perennials, but as they bloom the first year from seed, are generally grown as annuals. **No. 921. Black Prince.** Dark crimson flowers and very dark foliage. Grows about eighteen inches high.....Pkt., **10c**; Postpaid.

No. 4. Tall Snapdragon, Mixed. A mixture of good tall varieties, growing three feet high. All colors.....Pkt., **10c**; Postpaid.

No. 104. Dwarf Snapdragons, Mixed. Best of the dwarf varieties, all colors mixed. Grows about eight inches high.....Pkt., **10c**; Postpaid.

No. 1073. Golden King. A splendid yellow snapdragon; three feet high.....Pkt., **10c**; Postpaid.

No. 1074. Delicata. A beautiful pink; three feet high.....Pkt., **10c**; Postpaid.

No. 1075. Apple Blossom. A charming pink shade on a white ground, with a white throat. Three feet.....Pkt., **10c**; Postpaid.

No. 1076. Brilliant Scarlet. A very effective red. Three feet high.....Pkt., **10c**; Postpaid.

Balsam (Lady Slipper)

A fine old-fashioned garden favorite. It is a half-hardy annual, and for early blooms the seed should be sown under glass in March; or it may be sown outdoors in May. The plants do best in full exposure to the hot sun, with rich soil and plenty of water. They grow one and one-half to two feet high. Transplanting will improve the shape of the plants. They should be set a foot apart.

No. 141. Double Balsam, Mixed.....Pkt., **10c**; Postpaid.

Bellis Perennis (Double Daisy)

Excellent border plants, six to eight inches high, bearing charming double flowers from April to June. It is a hardy perennial, but will bloom the following summer if the seed is sown in fall or early spring.

No. 13. Bellis Perennis, Mixed.....Pkt., **10c**; Postpaid.

Calendula (Pot Marigold)

One of the best and showiest free-flowering hardy annuals. Of the easiest culture, thrives in almost any kind of soil, grows about one foot high, and produces an abundance of large, bright colored flowers in various shades of yellow from early summer until killed by frost. Excellent for beds and borders; also valuable for pot culture. **No. 117. Mixed colors**.....Pkt., **10c**; Postpaid.

Antirrhinum

Chrysanthemum

The hardy annual Chrysanthemums are quite distinct from the Oriental Chrysanthemums grown in greenhouses and conservatories. These showy garden annuals form compact bushes about eighteen inches high and bear an abundance of attractive flowers which are very desirable for cutting.

No. 1058. Coronarium, Double, Mixed.....Pkt., **10c; Postpaid.**

Cineraria

Magnificent tender perennials, grown mainly in conservatories, window gardens or greenhouses. The flowers measure two or three inches in diameter and cover the plant with a sheet of bloom. The colors are white, blue, violet and crimson shades.

No. 19. Cineraria Hybrida, Mixed.....Pkt., **10c; Postpaid.**

Cosmos

One of the notable fall flowers. The plants grow four to six feet tall and bear a multitude of beautiful, large, single flowers in pure white, pink and crimson. Hardy annuals.

No. 282. Mixed Cosmos.....Pkt., **10c; Postpaid.**
No. 1032. White.....Pkt., **10c; Postpaid.**
No. 1033. Pink.....Pkt., **10c; Postpaid.**
No. 1034. Red.....Pkt., **10c; Postpaid.**

Cosmos

Carnation

(Dianthus)

These splendid half-hardy perennials are used for greenhouse florists' trade in winter and for garden decoration and cut flowers in summer. They are general favorites on account of their delicate fragrance and richness of color. The Marguerites are most popular for outdoor culture. From plants started early under glass or in the house blooms may be had the first summer or fall.

No. 16. Mixed Double Carnations.....Pkt., **10c**
No. 402. Marguerite, White. Strong growers; free flowering; especially desirable for garden culture.....Pkt., **10c; Postpaid.**
No. 284. Marguerite, Mixed.....Pkt., **10c; Postpaid.**
No. 161. Grenada. A beautiful, early, dwarf variety. Sweet scented, doublt scarlet flowers.....Pkt., **10c; Postpaid.**

Centaurea

(Corn Flower. Bachelor's Button. Sweet Sultan)

Among the most attractive and graceful of the old-fashioned flowers. They are hardy annuals of simple culture. There are several varieties, all growing one to two feet high, and are excellent for beds, borders, and for cut flowers.

No. 923. Dwarf Victoria. A dwarf, double, Bachelor's Button. The plants are only about nine inches high, bear a profusion of large, blue, double flowers, and are excellent for pots and edgings.....Pkt., **10c; Postpaid.**

No. 1085. Blue Emperor. Tall, single Bachelor's Button or Cornflower, growing two feet high.....Pkt., **10c; Postpaid**

No. 225. Cornflower. The old-fashioned Bachelor's Button, Cornflower, Ragged Sailor, or Bluebottle.....Pkt., **10c; Postpaid.**

No. 1016. Giant Sweet Sultan (Imperialis). The finest of all Sweet Sultans for cutting, lasting a long time in water. Beautiful, artistic, sweet scented flowers borne on long, strong stems. Mixed colors.....Pkt., **10c; Postpaid.**

Calliopsis

One of the showiest and most easily grown hardy annuals. The plants form perfect little bushes ont to two feet high and literally massed with bloom. Excellent for massing and cut flowers. The flowers are in various shades of yellow, brown and maroon. It is best to sow the seed where the plants are to grow, thinning to a foot apart.

No. 116. Calliopsis, Mixed colors.....Pkt., **10c**

Canary-Bird Vine

(Tropaeolum Canariense)

A pretty, rapid-growing, half-hardy, annual climber, attaining a height of ten to fifteen feet, and bearing little canary-yellow flowers resembling a bird with wings half expanded.

No. 148. Canary Bird Vine.....Pkt., **10c**

Celosia (Cockscomb)

Odd, picturesque plants, bearing bright colored flowers of plumes resembling a cock's comb. Hardy annuals; fine for massing or border work.

No. 17 Celosia Cristata. About one foot high, bearing large, highly colored combs. Mixed colors.....Pkt., **10c; Postpaid.**

No. 119. Celosia Pyramidalis Plumosa. Large flowered, feathered. Mixed colors.....Pkt., **10c; Postpaid.**

Cobaea Scandens

(Cup and Saucer Vine)

A half-hardy climbing perennial, generally treated as an annual, attaining a height of twenty to thirty feet the first season. It has large leaves and large trumpet shaped flowers which are green at first, turning to bright purplish-blue.

No. 120. Cobaea Scandens.....Pkt., **10c; Postpaid.**

Every Garden means a HOME—
Not just a HOUSE on a
Vacant lot

PLANT
LILLY'S
SEEDS

Gaillardia

Candytuft

(Iberis)

The annual Candytufts are hardy and of the easiest culture, and are great favorites for beds and borders. The improved varieties are splendid for pots and for cutting. By sowing the seed outdoors in fall, again in spring, and at intervals during the summer, the blooms may be had continuously from early spring until winter. To produce the finest spikes the plants should be transplanted.

No. 922. Empress. A grand variety, producing large spikes of bloom resembling a white Hyacinth. The spikes often measure seven inches long by two and one-quarter inches in diameter. The plant is about twelve inches high.....Pkt. **10c**; Oz., **45c**; Postpaid.

No. 39. White Rocket. Good spikes of pure white flowers....Pkt., **10c**; Oz., **25c**; Postpaid.

LILLY'S *Fertilizers*
Make Sturdier Plants
and Larger Flowers

Gardening means making gardens in the widest application of the word. By gardening we mean indeed ALL that goes into the embellishment of the surroundings of the home—that contributes to the use and the enjoyment of outdoors as part of the home.

Daisy

(Chrysanthemum leucanthemum)

This splendid hardy perennial is a great favorite for bedding and cut flowers. Theplants grow two and one-half feet in height and bear magnificent single white flowers with yellow centers on stems eighteen inches or more in length.

No. 1004. Shasta Daisy.....Pkt., **10c**; Postpaid.

Eschscholtzia

(California Poppy)

The state flower of California, and a hardy annual of striking character, both in form and color; bright, rich, orange-yellow. The plants grow about one and one-half feet in height, with attractive silvery foliage, branching freely and producing large, poppy-like flowers lavishly from spring until late fall. They are most effective when grown in beds of considerable size, over which the seed may be thinly sown broadcast and lightly raked in. It is very hardy and the seed may be sown almost any time and in any manner. From seed sown in fall or early spring blooms will be had the following summer.

No. 192. True California Poppy. Orange-yellow.....Pkt., **10c**; Oz., **25c**; Postpaid
No. 1089. Special Mixed Eschscholtzia. All colors.....Pkt., **10c**; Oz., **50c**; Postpaid.

Gaillardia

A shown hardy annual of the easiest culture. The plants grow in compact, bushy form, about one foot high and the same in breadth, bearing freely until late in fall, large, brilliant flowers in red and yellow blended and shaded, on long slender stems. Splendid for borders and cut flowers.

No. 444. Single Annual Gaillardia, Mixed colors.....Pkt., **10c**; Postpaid.

Echinocystis

(Wild Cucumber)

One of the quickest growing hardy annual vines. hTe foliage is dense, and it is one of the best vines for covering trellises, tree trunks, fences, or any place where a quick but not permanent growth is desired. A profusion of fragrant white flowers is followed by an abundance of ornamental prickly seed pods.

No. 995. Wild Cucumber....Pkt., **10c**; Postpaid.

Digitalis

(Foxglove)

Hardy perennials, blooming the second year from seed, and especially adapted to this locality. They grow three to five feet tall and produce freely long spikes of Gloxina-like flowers in various colors. Splendid for permanent beds, masses and backgrounds. Thrives best in a cool, shady location.

No. 165. Mixed Foxglove.....Pkt., **10c**; Postpaid.

No. 1086. White Gloxinia-Flowered Foxglove.....Pkt., **10c**; Postpaid.

No. 1087. Pink Gloxinia-Flowered Foxglove.....Pkt., **10c**; Postpaid.

No. 1088. Grandiflora Foxglove, Bright Yellow.....Pkt., **10c**; Postpaid.

Digitalis

Annual Hollyhock

Campanula (Canterbury Bells. Bell Flower)

Very ornamental garden plants of the easiest culture. They are hardy biennials flowering the second year from seed, 2½ feet high, producing large bell-shaped flowers of beautiful colors during early summer.

		Pkt., Postpaid
No. 15.	Single, Mixed colors	10c
No. 157.	Double, Mixed colors	10c
No. 1082.	Single, White	10c
No. 1083.	Single, Blue	10c
No. 1084.	Single, Pink	10c

Gypsophila (Baby's Breath)

Very pretty free-flowering plants. There are both annual and perennial varieties which are graceful and delicate, and of special value for mixing with other flowers in bouquets.

No. 925. Snowflake. (Gypsophila elegans alba pura.) An improved large-flowering hardy annual variety, producing graceful sprays of pure white blossoms. Grows about two feet high.....Pkt., **10c**; Postpaid.

No. 1090. Gypsophila Elegans Rosea. Soft pink. Hardy annual; two feet high.....Pkt., **10c**; Postpaid.

No. 918. Gypsophila Paniculata. Hardy perennial. White. Two feet high.....Pkt., **10c**; Postpaid.

Hollyhock

One of the most majestic of hardy plants, and unequalled for planting among shrubbery or for backgrounds for other plants. They grow six to ten feet high and bloom for a long period. The tip may be pinshed off when they reach the desired height, thus inducing development of branches and forming a bush.

No. 961. Lilly's Annual Everblooming Hollyhock. This splendid variety is a hardy annual, and if planted early will begin blooming in July or August. The diversity of forms and colors among flowers affords many delightful surprises. Some of the flowers will be densely double, others semi-double, and others single, all being of the most beautiful colors and shades.....Pkt., **10c**; Postpaid.

No. 37. Double Hollyhocks, Mixed. The best double perennial hollyhocks in mixed colors.....Pkt., **10c**; Postpaid.

		Per Pkt.
No. 1091.	Blood Red, Double, Perennial	10c
No. 1092.	Pink, Double, Perennial	10c
No. 1093.	Black, Double, Perennial	10c
No. 1094.	White, Double, Perennial	10c
No. 1095.	Yellow, Double, Perennial	10c

Ipomea (Moon Flower Vine. Evening Glory)

The most rapid growing of flowering half-hardy annuals, producing a dense mass of heart-shaped leaves which form a background for a great profusion of beautiful large flowers which open at sunset and close the next morning.

No. 959. Evening Glory. (Ipomoea Bona Nox.) Large rosy-lilac flowers which open in the evening.....Pkt., **10c**; Postpaid.

No. 1056. Moon Flower Vine. (Ipomoea Mexicana Grandiflora Alba.) Covered with large white flowers evenings and cloudy days....Pkt., **10c**; Postpaid.

Lobelia

Pleasing half hardy annuals growing four to six inches high literally covered with small, bright flowers during the entire season.

No. 195. Emperor William. A very dwarf, compact variety, covered with white, blue-margined flowers from June to November.....Pkt., **10c**; Postpaid.

No. 1096. Sapphire. A trailing variety, bearing very large deep blue flowers with a pure white eye.....Pkt., **10c**; Postpaid.

No. 196. Crystal Palace. Compact plants, dark foliage, and rich deep blue flowers.....Pkt., **10c**; Postpaid.

No. 304. Erinus Hamburgia. A trailing Lobelia, for hanging baskets or window boxes. Large dark blue flowers.....Pkt., **10c**; Postpaid.

Larkspur (Delphinium)

The Larkspurs are among the most popular of garden flowers. Seed of the hardy annual varieties sown in the open ground early in spring will produce flowering plants early in July and give a continuous succession of flowers, until late in fall. They are handsome in beds, or for cut flowers.

No. 927. Dwarf Rocket, Mixed. A splendid hardy annual Larkspur, growing only one foot high and producing large, double, hyacinth-like blooms in a variety of charming colors.....Pkt., **10c**; Postpaid.

No. 208. Tall Rocket, Mixed. A tall hardy annual Larkspur, growing about two and one-half feet high. Mixed colors.....Pkt., **10c**; Postpaid.

No. 1057. Perennial Larkspur. A special mixture of seed saved from specially selected plants, and producing flowers of the richest and most delicate shades. Hardy perennial, growing three to five feet high. Mixed colors.....Pkt., **10c**; Postpaid.

Lupins

Ornamental, free flowering, hardy annuals, growing two to three feet high, bearing richly colored pea-shaped flowers on long, graceful spikes.

No. 46. Mixed colors.....Pkt., **10c**; Postpaid.

Forget-Me-Not

Marigold

(Tagetes)

Marigolds are favorite free-flowering hardy annuals of easy culture. The African varieties grow two to three feet tall, bear large yellow or orange-colored flowers, and are adapted for large beds or mixed borders. The French varieties are dwarfed in growth, with beautiful striped flowers three or four inches in diameter, and are better suited for bedding and pot culture. They succeed best in light soil with full exposure to the sun. Either variety is splendid for cut flowers.

No. 409. Tall Double African. About two feet high with flowers three or four inches in diameter in shades of yellow and orange.....Pkt., **10c;** Postpaid.

No. 410. Tall Double French. The plants grow about one and one-half feet high. The colors and markings of the large double flower, are very interesting, some being elegantly striped and spotted.....Pkt., **10c;** Postpaid.

No. 146. Dwarf Double French. One foot high, with large flowers in mixed colors.....Pkt., **10c;** Postpaid.

Myosotis

(Forget-Me-Not)

Hardy perennials and annuals, growing six to twelve inches high, bearing pretty little star-like flowers in clusters on long stems. The plant thrives best in a cool, moist location, and blooms the first year from seed if sown early.

No. 310. Lilly's Victoria Dwarf. A very beautiful hardy biennial variety; of dwarf, bushy habit, bearing large clusters of the brightest azure-blue flowers on long, graceful stems, rendering them splendid for cutting.....Pkt., **10c;** Postpaid.

No. 1054. Myosotis Palustris. The true Forget-Me-Not. A hardy perennial of strong, sturdy growth, with beautiful clear blue flowers....Pkt., **10c;** Postpaid.

Mignonette

No garden is complete without this old-favorite, sweet scented hardy annual. The plants grow a foot or more in height, bearing pyramidal-shaped flower spikes about six inches long, made up of thickly set florets which are exceedingly fragrant. Valuable for bedding borders, or also for pot culture.

No. 139. Reseda Odorata. The old-fashioned Sweet Mignonette.....Pkt., **10c;** Oz., **20c;** Postpaid.

Mirabilis

(Marvel of Peru. Four O'Clock)

A perennial in warm climates, but generally grown as a half-hardy annual in this locality. The plant is two feet high, erect and bushy, bearing throughout the summer hundreds of large white, yellow, crimson and striped flowers. The flowers are shaped like the Morning Glory, and open late in the afternoon.

No. 51. Mirabilis Jalapa.....Pkt., **10c;** Postpaid.

Morning Glory

Well known hardy clinging annuals, growing about fifteen feet high and bearing pretty flowers in a variety of colors and tints, fully expanded only in the morning

No. 600. Imperial Japanese Giant Morning Glory. Of remarkable size. The vines present a beautiful wall of luxuriant foliage thickly covered with flowers three to four inches in diameter and in a great variety of shades and markings.....Pkt., **10c;** Postpaid.

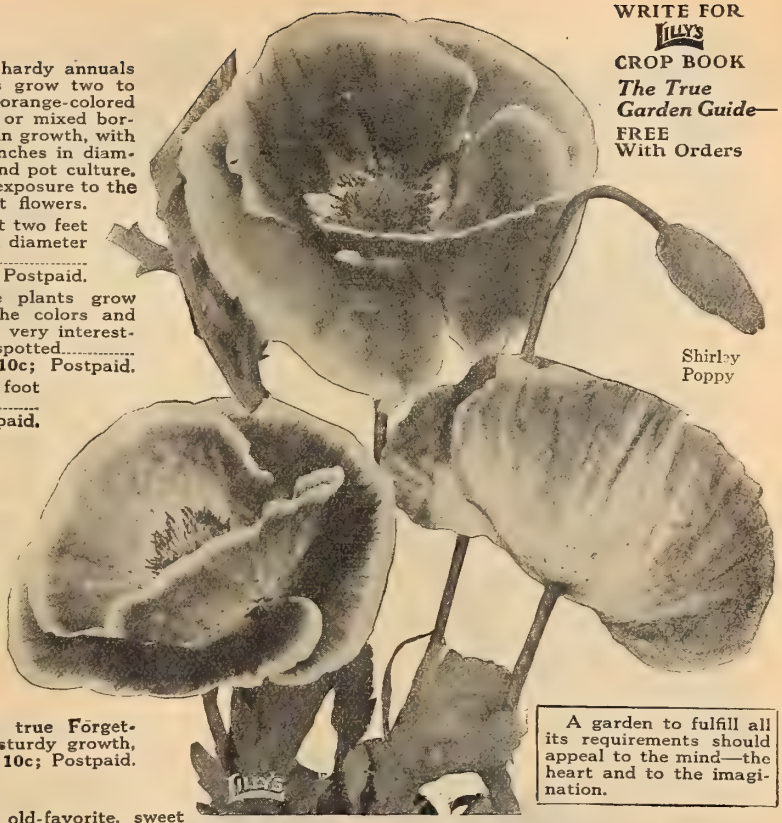
No. 41. Convolvulus Major. The old fashioned Morning Glory. Makes a growth of ten to twelve feet. Mixed colors.....Pkt., **10c;** Postpaid.

Nigella (Love-in-a-Mist—Devil-in-a-Bush)

Lovely hardy annuals, growing in oval bush form about one foot in height. In the finely cut fern-like green foliage nestle numerous large double flowers of light blue and white.

No. 248. Nigella Damascena.....Pkt., **10c;** Postpaid.

WRITE FOR LILLY'S CROP BOOK *The True Garden Guide*— FREE With Orders



Shirley Poppy

A garden to fulfill all its requirements should appeal to the mind—the heart and to the imagination.

Petunia

Petunias are half-hardy annuals, and the single varieties are easy to grow, requiring only good soil and a sunny location. They commence flowering early and continue throughout the season.

No. 61. Choice Single. A choice mixture of fine single varieties and colors.....Pkt., **10c;** Postpaid.

Poppy

FLANDER'S POPPY

No. 1114. This is the well known Poppy of "Flanders' Fields" so often mentioned in songs and stories of the great war. Profusely blooming medium sized flowers, bright scarlet in color. Very showy when planted in masses. A bed of these Poppies forms a glowing memorial to our heroes.

Pkt., 10c; ⅛ Oz., 25c; Oz., $1.50.

No. 314. Shirley Poppy. A charming hardy annual with large fluted and crinkled flowers in a variety of forms and colors.....Pkt., **10c;** Postpaid.

No. 58. Unbrosum Poppy. Rich vermillion flowers with a black spot on each petal. Hardy annual.....Pkt., **10c;** Postpaid.

No. 341. Iceland Poppy. This is a hardy perennial, but will bloom the first year from seed. It bears a profusion of graceful, delicate, single flowers with petals like tissue paper. Mixed colors.....Pkt., **10c;** Postpaid.

No. 1030. Oriental Poppy, Mixed Hybrids. Hardy perennials, producing immense flowers in gorgeous colors.....Pkt., **10c;** Postpaid

No. 351. Mixed Poppies. A choice mixture of hardy annual varieties.....Pkt., **10c;** Postpaid.

LILLY'S *FERTILIZERS Produce Results*

LILLY'S Nasturtiums

Finest Giant Flowering Varieties

Nasturtiums are among the most satisfactory and easily grown annuals, and there is nothing more pleasing than the harmonious blending of the various shades of green, yellow, brown and red in a bed or border of the dwarfs or a trellis or wall covered with the climbers.

LILLY'S Dwarf Mixed

The choicest standard dwarf varieties and colors mixed. Splendid for beds and borders.

No. 87.....Pkt., **10c**; Oz., **20c**; ¼ lb., **50c**; lb., **$1.50**

LILLY'S Tall Mixed

A splendid mixture of the best tall varieties, including all harmonizing colors.

No. 262.....Pkt., **10c**; Oz., **20c**; ¼ lb., **50c**; lb., **$1.50**

Tall, or Climbing

The tall, climbing, or trailing Nasturtiums, grow six to ten feet high, bloom profusely during the entire summer and fall, and are splendid for covering trellises, fences, rockeries, etc.

No. 1059. Chameleon. Quite unique, each plant bearing flowers of a great variety of colors and markings.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1061. Vesuvius. Salmon-rose; dark foliage; an excellent variety.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1062. Tall Ivy Leaved Nasturtium, Mixed. The leaves resemble English Ivy. The flowers are of a distinct form and in a great variety of colors.....Pkt., **10c**; Oz., **30c**; Postpaid.

No. 1060. King Theodore. Very deep crimson, nearly black; dark foliage.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 906. Pearl. Cream white, or primrose.....Pkt., **10c**; Oz., **25c**; Postpaid.

Lobb's Tall

Lobb's Nasturtiums are remarkable for the intensely brilliant colors of the flowers, which are slightly smaller than those of other climbing varieties.

No. 1064. Black Prince. Velvety black flowers; dark foliage.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1098. Queen Alexandria. Variegated leaves; flowers blood red, marbled and mottled.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1099. Cardinal. Scarlet flowers; dark foliage.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1100. Emma Alida. Dark ivy-leaved foliage, with golden-yellow, orange and deep scarlet lacinated flowers.....Pkt., **10c**; Oz., **30c**; Postpaid.

No. 1101. Flamingo. A beautiful new variety with magnificent lacinated orange flowers.....Pkt., **10c**; Oz., **30c**; Postpaid.

Dwarf, or Bedding

These dwarf or Tom Thumb varieties form sturdy little bushes completely covered with large, brilliant flowers during the entire season, making a beautiful display in beds or borders.

No. 1068. King Theodore. Velvety red flowers; dark foliage.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1070. Prince Henry. Light yellow marbled with scarlet.....Pkt., **10c**; Oz., **25c**; Postpaid

No. 929. Queen of Tom Thumb. Rich, bright crimson flowers forming a pretty contrast to the silver variegated foliage. Splendid for bedding or pots.....Pkt., **10c**; Oz., **30c**; Postpaid.

No. 907. Dwarf Vesuvius. Deep salmon-rose; a beautiful shade.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1112. Lady Bird. Orange, striped with bright scarlet.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 264. Empress of India. Fiery crimson flowers; compact plant with very dark foliage.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 911. Dwarf Chameleon. All colors borne on each plant.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1071. Dwarf Ivy Leaved Nasturtium, Mixed. Deep green leaves of distinctive ivy form; flowers beautifully fringed.....Pkt., **10c**; Oz., **30c**; Postpaid.

No. 1067. Golden King. Rich golden-yellow.....Pkt., **10c**; Oz., **25c**; Postpaid.

No. 1069. Crystal Palace Gem. Sulphur-yellow spotted with crimson.....Pkt., **10c**; Oz., **25c**; Postpaid.

Choicest Varieties

Magnificient and Continuous Blooms

No home in the Pacific Northwest is complete without a bed of Pansies, for our cool, moist climate is ideal for these beautiful flowers, and in no other locality do they produce such splendid blooms and so continuously from early spring until winter. The Pansy is a hardy perennial, thriving best in a cool, moist location. The largest blooms are produced during the cool months in spring and fall; during the warm summer months the blooms will be small. Abundant irrigation will produce larger flowers during the summer, but care must be taken that the water is warm, for the plants cannot stand the shock of cold water. For early spring bloom the seed may be sown outdoors about the first of September. Spring sown seed will produce blooms the following fall. The plants will produce better blooms if transplanted two or three times.

No. 89. Fine Mixed English. Finest varieties and colors of English Pansies, mixed. The plants are of compact habit ..... Pkt., **10c**; Postpaid.

No. 90. Giant Flowered French, Mixed. A fine mixture of large flowering French varieties ..... Pkt., **10c**; Postpaid.

No. 92. Giant Trimardeau, Mixed. A splendid type of immense size, distinct shape and beautifully marked. The plants are deep rooted, enabling them to withstand drought; hardy and robust ..... Pkt., **10c**; Postpaid.

No. 94. Beaconsfield. A very large Pansy, with upper petals light lavender and lower petals purple ..... Pkt., **10c**; Postpaid.

No. 203. Emperor William. Dark navy blue; of large size and very showy ..... Pkt., **10c**; Postpaid.

No. 95. Snowflake. Large satiny-white flowers with light centers ..... Pkt., **10c**; Postpaid.

No. 178. Faust, or King of the Blacks. Very large and very dark, almost black ..... Pkt., **10c**; Postpaid.

No. 429. Goldelse, or Yellow Gem. Pure golden-yellow; large ..... Pkt., **10c**; Postpaid.

LILLY'S Collossal Mixed

This is a splendid mixture of the choicest large-flowering varieties and the most beautiful colors and markings.

No. 930. Lilly's Collosal Mixture ..... Pkt., **10c**; Postpaid.

Portulaca

(Sun Plant)

A brilliant hardy annual, growing about six inches high, and thriving in warm, dry, sunny situations. Excellent for low beds, borders, and for sowing on exposed banks where other flowers would not thrive.

No. 69. Single, Mixed colors ..... Pkt., **10c**; Oz., **60c**; Postpaid.

No. 70. Double, Mixed ..... Pkt., **10c**; Postpaid.

Primrose

(Primula)

Primroses are among the most charming of perennials for winter and spring decoration in the house and conservatory.

No. 75. Primula Veris. A beautiful hardy perennial, growing six inches high, and bearing clusters of fragrant flowers in various colors ..... Pkt., **10c**; Postpaid.

Salpiglossis

(Painted Tongue)

A great favorite among the half-hardy annuals because of its easy culture and beautiful petunia-shaped flowers, which are produced from early summer until late fall. Three feet high.

No. 406. Mixed colors ..... Pkt., **10c**; Postpaid.

Pinks

(May Pinks, Dianthus)

The old-fashioned single flowered garden or border pink. They are hardy annuals, and will flower the first season from seed sown outdoors early in spring. Height, one foot.

No. 288. May Pinks ..... Pkt., **10c**; Postpaid.

Pyrethrum

(Golden Feather)

One of the best plants for edging, grown for its beautiful yellow foliage. It is a hardy perennial, but is generally grown as an annual. Six inches high.

No. 76. Pyrethrum Parthenifolium Aureum ..... Pkt., **10c**; Postpaid.

Ricinus

(Castor Oil Bean)

Ornamental half-hardy annual foliage plants of luxuriant and rapid growth, attaining a height of six to twelve feet, with brilliantly colored fruit, producing a tropical effect. Fine for massing or for center for beds.

No. 140. Castor Oil Bean ..... Pkt., **10c**; Postpaid.

Phlox

Phloxes produce immense trusses of brilliant flowers of a great variety of colors and shades throughout the summer. They are easy to grow, and thrive in most any kind of soil if given a sunny position. The seed may be sown outdoors early in spring, and in a few weeks the plants will be covered with blooms.

No. 919. Lilly's Large Flowering Phlox. (Phlox Drummondi Grandiflora.) This is the finest type, having the largest heads of bloom and the largest individual flowers. This mixture contains all the most beautiful colors and shades. Fifteen inches high.....Pkt., **10c**; Postpaid.

No. 67. Phlox Drummondi, Mixed. Flowers not so large as those of the grandiflora type, but just as bright and free blooming. Fifteen inches high.....Pkt., **10c**; Postpaid.

Stocks

For brilliancy, diversity of colors, fragrance and profusion and duration of bloom they are unsurpassed. The Ten Weeks Stocks are annuals, and from seed started indoors in March or April blooms will be had in July.

No. 84. Large Flowering Dwarf Ten Weeks Stocks, Mixed Colors. Half-hardy annual, one foot high.....Pkt., **10c**; Postpaid.

No. 1107. Large Flowering Dwarf Ten Weeks Stocks, White.....Pkt., **10c**; Postpaid.

No. 1108. Large Flowering Dwarf Ten Weeks Stocks, Flesh-pink.....Pkt., **10c**; Postpaid.

No. 1109. Large Flowering Dwarf Ten Weeks Stocks, Crimson.....Pkt., **10c**; Postpaid.

No. 1110. Large Flowering Dwarf Ten Weeks Stocks, Light Blue.....Pkt., **10c**; Postpaid.

No. 1111. LILLY'S SPECIAL MIXTURE ANNUAL STOCKS. Choicest varieties and colors of annual Stocks.....Pkt., **10c**; Postpaid.

Sunflower

(Helianthus)

These hardy annuals are splendid for backgrounds, or even for bedding, and must not be confused with the common Sunflower. This is a very double variety, growing about four feet high.

No. 128. Dwarf Double Sunflower....Pkt., **10c**; Postpaid.

Salvia

(Flowering Sage)

Half-hardy perennials, blooming the first year from seed if sown early. The plant grows three feet high and bears profusely during the summer and fall very fragrant flowers in drooping spikes of the most intense glistening scarlet. Splendid in working out color schemes if properly used.

No. 920. Salvia Splendens.....Pkt., **10c**; Postpaid.

Sweet William

(Dianthus barbatus)

As a border plant it has few equals, being very showy. An old-fashioned plant producing clusters of gorgeously colored flowers of great fragrance. It is a hardy perennial, but blooms the first year from seed. It grows about eighteen inches high, and is excellent for beds and borders. Our mixture contains quite an assortment of colors.

No. 26. Purple, Mixed.....Pkt., **10c**; Postpaid.

No. 27. Double, Mixed.....Pkt., **10c**; Postpaid.

Violets

These little favorites are deliciously fragrant and are fine for borders and for cutting. They are perennials, quite hardy, but the plants are somewhat difficult to grow from seed.

No. 319. Large Single Violet.....Pkt., **10c**; Postpaid.

No. 1106. Viola Cornuta; Tufted Pansy Violets; Mixed colors.....Pkt., **10c**; Postpaid.

Verbena

One of the dear old flowers that will always be popular both in the garden and house. Verbenas are low-growing, creeping, half-hardy perennials, blooming the first year from seed, and generally treated as annuals. They are splendid for beds, borders, rockeries, hanging baskets and window boxes. Fewer plants are better liked and give greater satisfaction.

No. 88. Giant Hybrid, Mixed. A splendid mixture of large flowering varieties; all colors.....Pkt., **10c**; Postpaid.

Zinnia

Wallflower

An old European favorite deserving of more appreciation than is shown it in America. It is especially adapted to the Pacific Coast where it is entirely hardy, although it must be protected during the winter in colder climates. It is a perennial, grows about eighteen inches high, is bushy, and very early in spring bears spikes of deliciously fragrant flowers in bright colors.

No. 98. Double.....Pkt., **10c**; Postpaid.

No. 99. Single.....Pkt., **10c**; Postpaid.

Zinnia

Flowers throughout the entire summer and early fall. This half-hardy annual has been greatly improved and produces a profusion of large double flowers, excellent for bedding and for boquets. The plants form handsome compact bushes two feet high covered with large flowers of a great variety of colors and shades. They commence blooming early in summer and continue until killed by frost. The Zinnia is a very free grower and of robust habit. Does well under almost any conditions.

No. 933. Giant Mixed. A choice mixture, including the best and largest types, producing plants of handsome, compact form, and immense perfectly formed, double flowers in brillian mixed colors.....Pkt., **10c**; Postpaid.

No. 100. Mixed. A splendid mixture of good varieties and colors.....Pkt., **10c**; Postpaid.

Wild Flower Garden

There are few things more pleasing than a wild-flower garden hidden away in some secluded spot or among shrubbery. This mixture is ideal for the purpose, being composed of such hardy annuals as will require little care beyond scattering the seed, and will product a great profusion and variety of pretty flowers

No. 438. Wild Flower Garden.....Pkt. **10c**, Oz. **25c**, lb. **$2.00**, Postpaid.

IF YOU ARE TROUBLED with insects attacking your Flowers spray with Lilly's Tobacco and Soap Compound which is a sure preventive against insects which suck the juices without eating the leaves. **See Page 87.**

ALFALFA ADDS NITROGEN TO THE SOIL

Alfalfa (Medicago sativa)

The Greatest Forage Plant

ALFALFA WILL GROW TWO CROPS A YEAR

LILLY'S Best

These two words carry a significance which is now recognized in the West as the highest quality obtainable in seeds. Whenever you buy seeds of the "L. B." brand you know you are getting the best.

Recleaned and Tested, free from Dodder and other noxious weed seeds.

99½ Per Cent Pure

Lilly's Best Alfalfa Seed is the acme of perfection. It never tests less than 99½% pure, is free from dodder, and other noxious weed seeds, and consists only of big, plump seeds; all small and shrunken seeds having been removed. To maintain this high standard requires that the greatest care be exercised in growing and harvesting the seed. It is never grown in localities infested with dodder. We have the most perfect seed cleaning machinery in the West, and the seed is cleaned until it is practically perfect.

The Pure Seed Law requires 96% purity, but that is too liberal, for it is unsafe to sow the 4% of weed seeds which the law allows. When purchasing seed, the price should be only a secondary consideration. At the most, only a few cents per acre could be saved, and seed containing weed seeds is expensive at any price. None but the very best tested seed should be sown.

Alfalfa seed is generally sown at the rate of eight to twelve pounds per acre.

Prices subject to change. See Supplement following page 48.

Hairy Peruvian Alfalfa

This is an alfalfa which is very popular in Arizona and Southern states. It is not, however, adapted to the Northwest, because it will not stand the winters north of California, and is not in other ways equal to the common variety. The hay from the Peruvian alfalfa has a rather grayish or musty color. It is not recommended where common alfalfa makes a satisfactory growth.

Prices subject to change. See Supplement following page 48.

Cossack or Siberian

The same type as Grimm, i. e., variegated, and the fact that it was found growing wild on the Siberian plains proclaims its hardiness. A very free seeder.

Prices subject to change. See Supplement following page 48.

Turkestan, or Dry Land

(Medicago Turkestanica)

This variety comes from central Asia and has been grown successfully for many years in the West; is very hardy, and adapted to very dry and unirrigated land. In all other respects it is almost identical with Medicago Sativa. The seed should be sown rather thickly, fifteen to twenty pounds per acre.

Prices subject to change. See Supplement following page 48.

Grimm

(Medicago media)

Undoubtedly this variety has in recent years attracted the attention of Alfalfa growers more than any other variety. The origin of this type is the result of cross hybridizing of the blue flowered species with the yellow flowered. Grimm belongs to the "variegated" class and has a more branching root system which may possibly account for it being hardier than the "blue flowered" (Medicago sativa) varieties.

Prices subject to change; see supplement following page 48.

NOTE—Grimm and Cossack alfalfa are of great value in the Dakotas, Wisconsin and other states having extremely severe winters without much snow fall and where the common alfalfa will freeze out; but from all the information obtainable at the present time the common alfalfa does not freeze out in Washington, Oregon or Idaho, and in other respects is equal in yield and quality to either Grimm or Cossack. If a farmer is growing for a seed crop by all means plant Grimm alfalfa, as it sells for a very much higher price than common alfalfa and yields equally as well.

In several states arrangements have been made to certify the seed. This of course adds considerable to the cost of it, as it requires an examination of the field during the growing of the crop and supervision of harvesting, threshing and sacking so that the official certifying to the genuineness of the seed can attach his certificate showing the seed to be true. There is also considerable Grimm alfalfa seed produced that is not certified and which, of course, sells for a much lower price and which may be equal in quality to the certified seed, but of course the buyer cannot be as sure of getting the genuine article.

Use "Farmogerm" for Alfalfa —it insures success.

See page 63.

A fine crop of Alfalfa from Lilly's Seed

Clover

Lilly's Red (Trifolium pratense) —99 Per Cent Pure

Red Clover is an important crop in all parts of the country, and is especially valuable west of the Cascade Mountains, where Alfalfa cannot be grown very successfully. In addition to being a very valuable hay, silage, and forage crop, it is of great value for fertilizing and improving the soil, either when plowed under or removed from the field. It is a legume and draws nitrogen from the air and distributes it in the soil. Red Clover seed is generally sown at the rate of eight to twelve pounds per acre. **Lilly's Best Red Clover Seed** is guaranteed to test not less than 99% pure, and we make it as much better as possible, usually as high as 99½% pure. This state of purity is seldom equalled, and would be impossible without our splendid seed cleaning machinery. The Pure Seed Law requires only 92% purity, and that is considered very good seed, but it allows more than a pound of weed seed to each acre, and such seed should never be sown when better seed can be procured. **For prices see supplement following page 48.**

OUR CLOVER SEEDS GROW

"Avoid buying cheap clover seed, much of the cheaper clover seeds sold the past season, principally by seed houses in the East. **was imported Italian Clover. This seed shows a good germination and good purity and will make a good stand but will not withstand frost and will winterkill with the slightest frost."**

Mammoth Red (Trifolium medium)

This is a very valuable crop for Western Washington, where the ground is gravelly, high, or very light soil, as it makes a satisfactory growth and good crop. It should, however, be avoided on heavy soils as it makes too rank a growth and coarse hay. Sow at the rate of eight to twelve pounds per acre. Mammoth Clover has the added advantage of being ready to cut for hay at a time of year when Western Washington is sure of good haying weather.

For prices see supplement following page 48.

Alsike (Trifolium hybridum) —99 Per Cent Pure

Suitable for Cold, Wet Land

Alsike Clover thrives on almost any kind of soil, but is especially useful on land that is too wet and cold for Red Clover. It makes a good quality of hay, and may be sown with timothy, as it matures at the same time. It is also good in pasture mixtures for wet land.

We have a second grade, better than is required by the Pure Seed Law, but the difference in price does not warrant the use of any but Lilly's Best. Six to eight pounds of seed is sufficient for an acre.

For prices see supplement following page 48.

White (Trifolium repens) —98 Per Cent Pure

Only the Very Best Is Fit for Lawns

For lawns, especially, none but the very best White Clover seed obtainable should be sown, as ordinary seed is very liable to contain sorrel. Lilly's Best White Clover is guaranteed to test not less than 97% pure and is usually better. Any seed that tests less than 97% pure is branded Choice. Our Choice grade is always better than is required by the Pure Seed Law, but we do not recommend it for lawns. For lawns sow twenty-five pounds or more per acre; for pasture, six to eight pounds mixed with grass seeds.

For prices see supplement following page 48.

Crimson Clover (Trifolium incarnatum)

Crimson Clover is an annual useful principally as a cover crop or to plow under for green manure, but it is not specially recommended for the Northwest. Ten to fifteen pounds of seed is sown to the acre.

For prices see supplement following page 48.

Sweet Clover

White Blossom (Melilotus alba.) Bokhara, or White Sweet Clover, was formerly grown almost exclusively for bee pasture, but recently it has become quite popular for hay and pasture It has a bitter taste, and stock must develop a taste for it, but they soon learn to like it. It is a biennial, and unless it reseeds itself, must be seeded every second year. It makes a wonderful growth the second season, and the plants resemble Alfalfa in appearance. It is a legume, and has great fertilizing value. Seed is sown at the rate of twenty pounds per acre. The soil should be very firm.

See supplement following page 48.

Yellow Blossom (Melilotus indica.) Yellow Blossom Sweet Clover is an annual. The plants are low-growing, erect, and early flowering. **For prices see supplement following page 48**

Timothy

(Phleum pratense)

Conceded to be one of the most valuable grasses of great nutritive value and very productive. The seeds being very small and produced in great abundance, its cost is the most economical of any grass.

99½ Per Cent Pure

Lilly's Best is the Purest Seed Obtainable

Timothy Seed is one of our specialties, and it will be very nearly impossible to produce better seed than Lilly's Best. The seed is grown in Idaho on land that is free from weeds, and, with our splendid seed cleaning equipment, all small and light seed, as well as all foreign matter is removed. None testing less than 99½% pure is branded Lilly's Best. The Pure Seed Law requires only 96% purity.

Timothy is the standard grass for hay in all parts of the country, and although there may be other grasses equally as good or better for home use, it is demanded by the markets, and brings the highest price. The seed is sown at the rate of ten to fifteen pounds per acre. We have a second grade, Choice Timothy, but especially recommend Lilly's Best.

Price subject to change; see supplement following page 48.

Lilly's Timothy

Lilly's Kentucky Blue Grass

(Poa pratensis)

Kentucky Blue Grass is a true perennial, lasting indefinitely. Its densely creeping root stocks, spreading habit, even growth, fine texture and rich green color renders it one of the finest grasses for lawns and pastures. It starts very early in spring, and on the Pacific Coast remains green practically all the year.

Our seed is imported direct from the most reliable growers in Kentucky. It is free from Canadian Blue Grass and other foreign seeds, is carefully recleaned, and is the best seed obtainable. Sow at the rate of fifteen to twenty pounds per acre. For lawns sow one pound to each four hundred square feet. For pasture it is mixed with other grasses.

Price subject to change; see supplement following page 48.

Lilly's Red Top

(Agrostis vulgaris)

Red Top, or Herd's Grass, is valuable in wet places where other grasses will not thrive. When mixed with other grasses and clover it makes excellent pasture and a fair grade of hay. We have two grades of Red Top, but recommend the Fancy Red Top, as it is solid seed and only ten to twelve pounds is required to sow an acre. The Choice Red Top is good seed, but it contains the hulls, and nearly twice as much seed is required.

Fancy Red Top, Choice Red Top: Price subject to change; see supplement following page 48.

Lilly's Red Top

Canadian Blue Grass

(Poa compressa)

Canadian Blue Grass, although not so popular as Kentucky Blue Grass for lawns, is more hardy, easier to get started, makes a very tough turf and is of fine texture. It is also a splendid grass in pasture mixtures. Sow one pound to four hundred square feet of lawn, or fifteen to twenty pounds per acre for pasture if used alone.

Price subject to change. See supplement following page 48.

Brome Grass

(Bromus inermis)

Brome Grass is valuable in the semi-arid regions where less hardy grasses cannot be grown. It has creeping root-stalks which form a thick turf, and will stand a great deal of drought. It is not especially high in food value, and there are other grasses more valuable for the country west of the Cascade Mountains. It is most valuable as a pasture grass, but grows tall enough for hay. When used alone, sow fifteen to twenty pounds per acre.

Price subject to change. See supplement following page 48.

Creeping Bent, or Fiorin

(Agrostis stolonifera)

A splendid grass in lawn or pasture mixtures. Its creeping, rooting stems form a tough, compact turf that is improved by tramping.

Price subject to change. See supplement following page 48.

Lilly's Canadian Blue Grass

Unless otherwise specified, prices quoted are f.o.b. Seattle or Portland

Prices subject to change. Unless otherwise quoted are f.o.b. Seattle or Portland

Orchard Grass

Ask for Special Prices on Large Quantities

LILLY'S English Rye Grass

(Lolium perenne)

One of the Most Valuable Hay and Pasture Grasses for the Northwest

English, or Perennial, Rye Grass is especially adapted to the country west of the Cascade Mountains, where it is quite popular, but should be even more generally grown, for it is one of the most valuable grasses. It has a high feeding value, is relished by all stock, and is good in both hay and pasture mixture. It does well on almost any soil, although it prefers rich loam or clay. It makes a quick, strong growth, and when sown thickly is excellent in mixtures for lawns or golf links. When used alone for pasture or hay, the seed is sown at the rate of twenty-five to forty pounds per acre, or in the same proportion when mixed with other seeds.

Price subject to change. See supplement following page 48.

Italian Ryegrass

(Lolium italicum)

Italian Rye Grass is supposed to be a biennial, but on the Pacific Coast it lasts almost indefinitely, and is one of our most valuable pasture grasses, as it produces green feed late in the season after other grasses are past their prime. It makes a rapid growth, and will furnish more green pasture in midsummer than any other grass. On moist, rich soil and under irrigation the rapidity of growth and productiveness of Italian Rye grass are really wonderful. Sow at the rate of twenty-five to forty pounds per acre when used alone.

Price subject to change. See supplement following page 48.

Orchard Grass

(Dactylis glomerta)

Orchard Grass, or Cocksfoot, is one of our most useful grasses. Though it looks coarse, it is one of the earliest, most productive, nutritious and valuable of the cultivated grasses. It comes very early in spring, furnishing pasture earlier than other grasses. It makes good hay if cut as soon as in bloom; later it becomes hard and woody. It is especially valuable, mixed with other grasses and clovers, for pastures and for sowing on logged-off land. It is very hardy, and thrives in shady places where other grasses will not grow, but is not suitable for lawns. It thrives in a great variety of soils and as its roots penetrate to a considerable depth, it withstands drought better than most other grasses on light, dry soils. Being a bunch grass, it is best mixed with other grasses. When used alone, sow twenty-five to forty pounds per acre.

Price subject to change. See supplement following page 48.

Velvet Grass or Mesquite

(Holcus lanatus)

Velvet Grass, also known as Mesquite, Meadow Soft Grass and Yorkshire Fog, is of little value except for pastures on light sandy, or marshy soils where other grasses will not grow. It has little food value, is not relished by stock, and on account of its spreading habit is rather difficult to eradicate.

Price subject to change. See supplement following page 48.

Crested Dog's Tail

(Cynosurus cristatus)

A perennial grass forming a smooth and lasting turf, excellent in mixtures for lawns, putting greens, and pastures. It thrives best on rich, moist land, but can accommodate itself to almost any soil, and, as the roots penetrate deeply into the ground, it can stand severe drought. Height one to two feet. Sow twenty to thirty pounds per acre when sown alone, or in that proportion when mixed with other seeds.

Price subject to change. See supplement following page 48.

Tall Oat Grass

(Avena elatior)

Valuable for pasture on account of its early and luxuriant growth. It also produces a large quantity and good quality of hay. It is deep rooting, hardy, withstands drought, and is grown successfully in Eastern Washington and California. It is best mixed with other grasses, and should not exceed one-fifth of the total amount of seed sown.

Price subject to change. See supplement following page 48.

THE INESTIMABLE VALUE of Grasses for pasturage and hay crops is so generally known that anything we might add would hardly emphasize their great utility for feeding purposes. It is, however, of the utmost importance that Grass Seeds of the finest possible quality only be used. They cost practically the same as seeds of doubtful germination and uncleaned samples, while the results are vastly different.

Write for prices on large quantities

Meadow Fescue

(Festuca pratensis)

Also known as English Blue Grass. One of the best of permanent meadow and pasture grasses. It is very hardy, and succeeds in almost all soils, but does best on moist, rich land. It comes very early in spring and again in fall, and should form a part of all pasture and hay mixtures.

Price; subject to change; see supplement following page 48.

Sheep's Fescue

(Festuca ovina)

Of dwarf, thick growth, yielding a large amount of nutritious herbage, and is valuable in pasture mixtures. It prefers dry uplands and thrives in poor, shallow, gravelly soils.

Price; subject to change; see supplement following page 48.

Hard Fescue

(Festuca duriuscula)

More dwarf than Sheep's Fescue, but useful in pasture mixtures for dry uplands and poor soils.

Price; subject to change; see supplement following page 48.

Red, or Creeping Fescue

(Festuca rubra)

A creeping rooted species, forming a close and lasting turf, resisting drought and thriving on inferior soils, gravelly banks and exposed hillsides.

Price; subject to change; see supplement following page 48.

Sudan Grass

(Andropogon Sorghum)

A great drought resisting hay and forage crop, especially suitable for hot, dry sections, but it is not recommended and is not adapted to sections west of the Cascade Mountains. In appearance it resembles Johnson Grass but does not have the aggressive root-stalks, stools more freely, has more and broader leaves, is an annual, and will not become a weed. As it is an annual, it must be seeded each year, like Sorghum or Millet.

The seed should not be sown until the ground becomes thoroughly warmed in spring. It may be broadcasted or drilled at the rate of sixteen to twenty-four pounds per acre, in which case it grows three to five feet high; or it may be sown in rows and cultivated, at the rate of four to six pounds per acre, and sometimes grows six to nine feet high.

The following are good reasons why you should grow Sudan Grass:

1. It lacks entirely the underground root stocks which make some other grasses a pest.
2. Two or even three cuttings can be obtained from it under favorable conditions.

Price; subject to change; see supplement following page 48.

Fine Leaved Fescue

(Festuca ovina tenuifolia)

Similar to Sheep's Fescue, but with finer leaves. It has the same dwarf growth and drought resisting quailties, and is suitable in pasture mixtures for dry and inferior soils; also for dry slopes on lawns.

Price; subject to change; see supplement following page 48.

Ask For Special Prices On Large Quantities

Our Grass Seeds Are Re-cleaned and Tested

LILLY'S Pasture and Hay Mixtures

The Most Suitable Combinations in Correct Proportions for Best Results

These Pasture Mixtures contain the correct early, medium and late grasses to supply pasture continuously during a long season; also bunch, deep rooting, and creeping grasses to form a tough and lasting turf. The Hay Mixture is composed of tall-growing grasses which will mature about the same time, and will produce the maximum amount of hay of the best quality.

No. 1 Pasture Mixture

Especially prepared for wet bottom-lands.

No. 2 Pasture Mixture

For dry up-lands, and especially useful for sowing on logged off land.

Hay Mixture

A splendid mixture, producing hay of fine quality and maturing evenly.

Prices subject to change; see supplement following page 48

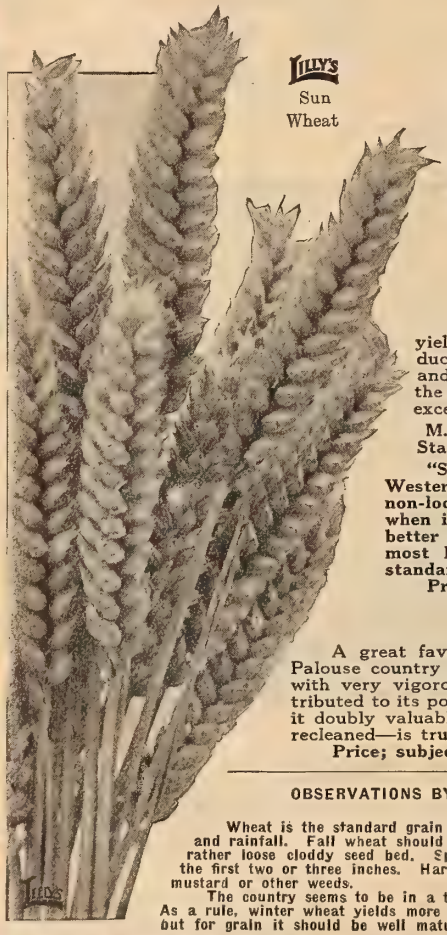
Seed Wheat

LILLY'S Sun

A New Winter Wheat Especially Adapted to the Northwest

After many years experimenting our tests have proven that Sun Wheat excels all others in yield and quality, for the country west of the Cascade Mountains. Sun Wheat is a remarkable new winter wheat imported from southern Sweden and is the heaviest yielder of them all. It ripens earlier than most other varieties. The grain is plump, of a reddish color, and the weight per measured bushel is above the average. It does well on rather light soil, and is resistant to rust and smut. The heads are compact, firm and uniform; very similar to Club wheat but much longer. Its stooling habit is especially good. The straw is of medium height, erect and very stiff. In a comparative test in adjoining fields and under identical conditions, Sun Wheat yielded 55 bushels and Club wheat 40 bushels per acre. The seed is grown for us on contract, from specially selected seed and is under the direct supervision of our grain expert from the time the land is plowed until the seed is threshed and cleaned.

Price; subject to change; see supplement following page 48.



LILLY'S Sun Wheat

LILLY'S Pedigreed Bluestem

Specially Selected Seed

Conceded to be one of the most valuable Spring varieties for the Northwest. Bluestem has long been the standard and is still unexcelled. East of the mountains it is very extensively grown. The Bluestem of the Pacific Coast has a white grain and smooth chaff quite unlike the velvet chaff and red grains of the States East of the Rockies. Although a Spring variety it can be sown as a Fall wheat in sections where winters are mild. Its popularity is due to its drought resistance, heavy yielding capacity, non-shattering character and high milling value. Our seed is of the finest quality, carefully selected and thoroughly recleaned.

Price; subject to change; see supplement following page 48.

LILLY'S Marquis

The "Thousand Dollar Prize" Wheat

Unquestionably one of the best all round Spring wheats grown, yielding as high as 50 bushels to the acre. Extremely early and productive as well as hardy. Grows stiff, strong straw of medium height and matures its plump, round, dark red kernels two weeks earlier than the Blue Stem. Easy to handle at harvest because free from beards. Unexcelled in both milling and baking qualities. Sow in early Spring.

M. E. McCollam, Agronomist, Washington Agricultural Experiment Station, says of it:

"Some desirable characteristics of Marquis Wheat as grown under Western Washington conditions are early maturity, high bushel weight, non-lodging and non-shattering qualities. Marquis Wheat should be cut when it is not too green. The milling quality of this wheat is distinctly better than the soft Red Winter types. As grown in Western Washington most Marquis will probably class as Red Spring under Federal grain standards."

Price; subject to change; see supplement following page 48.

Red Russian

A great favorite in Eastern Washington being grown very extensively in the Palouse country where it seems particularly suited to. It is a late maturing wheat with very vigorous growth and its abnormal yields of grain have undoubtedly attributed to its popularity. It grows a luxuriant plant very close in habit which makes it doubly valuable for choking out weeds. The stock we offer has been thoroughly recleaned—is true to type and we confidently recommend it.

Price; subject to change; see supplement following page 48.

OBSERVATIONS BY PROF. E. P. GAINES, CEREALIST, WASHINGTON AGRICULTURAL EXPERIMENT STATION

Wheat is the standard grain crop of the Northwest. It is grown under wide variation of temperature, elevation and rainfall. Fall wheat should be drilled in at the rate of from three to six pecks (45 to 90 lbs.) per acre on a rather loose cloddy seed bed. Spring wheat does better drilled in early on a seed bed that is rather firm below the first two or three inches. Harrowing wheat is of doubtful value unless the ground is badly crusted or foul with mustard or other weeds.

The country seems to be in a transition stage just now as is shown by sudden popularity of several new strains. As a rule, winter wheat yields more than spring wheat. For silage or hay wheat should be cut in the dough stage, but for grain it should be well matured.

PRICES ARE F.O.B. SEATTLE OR PORTLAND.

Seed Barley

LILLY'S White Hulless—Beardless

Threshes Out Like Wheat, Making It a Valuable Stock and Poultry Food

Barley is one of the very best stock foods, either as grain or hay. It is also splendid as a nurse crop for grasses and clover and as a support for vetch and peas. It is a shallow feeder, and requires a mellow, rich soil with fertility near the surface. It is not a crop for poor, sandy, or worn out land, neither does it do well on newly cleared land, but no other crop responds more readily to good soil and thorough cultivation, and the careful farmer who gives a little extra attention to thorough preparation of the soil will be amply repaid for his trouble. The only objections to barley have been the long, stiff beards which are objectionable in grain hay, and the hulls, which make the grain less valuable for feeding purposes. These objections are entirely overcome in White Hulless Barley, for it is entirely beardless, as shown in accompanying half-tone, and when threshed hulless, like wheat, to which the large, plump, hard grain is very similar. The hay is superior to any of the other grain hays, and the grain, especially when rolled or ground, is unexcelled as a grain food for horses, hogs, cattle, or poultry.

White Hulless Barley is more productive than wheat, and matures about two weeks earlier. It may be sown as late as July, provided sufficient moisture may be depended upon, making it a valuable catch crop. West of the Cascade Mountains it is sometimes sown in fall. It is sown the same as wheat, at the rate of about one hundred pounds per acre. Culture the same as Common Barley.

Price; subject to change; see supplement following page 48.

Vermont Beardless—Entirely Beardless

This is a highly improved strain of Beardless Barley, entirely free from bearded heads, making it very much superior to the bearded varieties for hay. It is also preferable for grain, as it is as easy to handle and thrash as oats. Vermont Beardless Barley is very early, and as it is hardy, may be sown early in spring, or it may be sown as late as the first of July. The straw is good, stands up well, and is a splendid variety to sow with vetch or peas. It is very productive. **Price; subject to change; see supplement following page 48.**

Wisconsin Pedigreed

The world's greatest prize winner; yields nearly twice as much to the acre as common barley and has made millions of dollars for the farmers of America's barley growing districts. This barley was introduced by the Wisconsin Agricultural Experiment Station, the originators of the well known Oderbrucker Barley, to which they claim that this is much superior. It has very nearly replaced all other varieties of bearded barley. The heads are exceedingly long and are uniformly well filled; the straw is strong; the grain is large, plump, and heavy, and the experiment station claims that it outyields all other bearded varieties five to six per cent.

Price; subject to change; see supplement following page 48.

Beardless

The ordinary strain of beardless barley, which until recently has been the best obtainable. On account of not being thoroughly perfected by selection, it may produce some bearded heads. Will stand up on any land. Sow as early as possible for frost does not hurt it.

Prices; subject to change; see supplement following page 48.

Six Row White (Extra Selected)

Specially selected recleaned seed of the common, white, six-rowed, bearded barley which has been most generally grown. It is sometimes sown in the fall west of the Cascade Mountains.

Price; subject to change; see supplement following page 48.

GROW BARLEY THIS YEAR

Barley Pointers **Barley may be planted either in fall or spring. It winter kills more easily than wheat, however. The straw is somewhat weaker than that of wheat or oats and for that reason it is liable to lodge when seeded on moist rich bottom lands. On the average it yields three hundred pounds more per acre than wheat and two hundred and sixty-four pounds more than oats. The counties of greatest barley production in Washington are Columbia, Garfield, Whitman, Lincoln and Walla Walla, ranking in the order named.**

Ask for LILLY'S CROP BOOK It's FREE with Orders

Prices are F.O.B. Seattle or Portland

ORDER EARLY
The best time to order is immediately after receipt of this catalog. Write TODAY

LILLY'S CHOICE

LILLY'S Victory

Excels Others in Yield on Light Soil

Our tests show Victory Oats to be way ahead of all others in yield on light soils, although Abundance Oats yield about the same on heavier soil, and they are not of such extremely fine quality as Regenerated Swedish Select. However, the quality is good, and as productiveness is the most important point with most growers, we highly recommend this variety. Victory is a head oat; the straw is of medium height and is particularly firm and elastic, making it resistant to lodging. The grain is white with a slight reddish shade, and is smaller than Regenerated Swedish Select. Our seed is pure, and is grown with special care, in Western Washington, from seed stock imported from Sweden.

Price subject to change; see supplement following page 48.

LILLY'S Black Alaska

A Very Superior, Hardy Black Oat

A hardy black oat, with spreading head, thick, black hull, and large, plump, dark colored kernels. The straw is large and strong, not liable to lodge, stools freely, is a heavy yielder, and is splendid to sow with vetch or field peas to support the vines. It is sometimes sown in fall, but is not so hardy as Gray Winter Oats, and is more liable to freeze out during the winter. Our seed is very superior.

Price subject to change; see supplement following page 48.

LILLY'S Banner

A Popular, Productive Variety

A very popular white oat, with spreading head, introduced from Scotland. The straw is of medium height, and stands up well. The grain is white, with a comparatively small percentage of hull, and is heavier than the average. Experiment Station tests show it to be among the best in yield and quality.

Price subject to change; see supplement following page 48.

LILLY'S Gray Winter

Especially Valuable for Fall Sowing

Gray Winter Oats are very hardy, and are generally used for fall sowing, and are especially useful for sowing with vetch. The straw grows very long, is stiff and not liable to lodge. It is a head oat. The grain is dark gray, large and plump, and it yields well.

Price subject to change; see supplement following page 48.

Shadeland Climax—Tree Oat

The Shadeland Climax is an excellent medium maturing variety of Tree Oats. According to a statement made by Mr. C. P. Nairn of Amity, Oregon, who developed this excellent variety, it is a selection of Swedish Select and is now considered one of the standard varieties for Western Oregon, where it has given very consistent and abnormally large yields.

Where quick growth and early maturity are essentials, Climax will give a bountiful crop of the finest quality Oats you have ever seen. The white grains are plump, uniformly large, with a very thin hull and are often borne three in a spikelet, which doubtless accounts for its wonderful yield. So far as our own tests show it does not appear to be injured by early freezing and later drought.

It is considered an ideal variety for planting West of the Cascades and can be sown in either Fall or Spring—in fact, any time the ground is in right shape. In other sections where the climate is more severe it is preferable to plant in Spring. It has yielded over 100 bushels per acre when other Oat crops in the same section suffered severely with drought.

The stock we offer has been grown under our personal supervision and can be recommended with every confidence.

Prices subject to change; see supplement following page 48.

Prices are F.O.B. Seattle or Portland

SEED OATS

Lilly's Regenerated Swedish Select

Swedish Select has long been popular. Our seed is grown in Washington, thoroughly acclimated, from regenerated stock obtained direct from Gartons, Ltd., the well known plant breeders of England.

It makes a very sturdy growth; the straw is of medium height and is extra large, making it less liable to lodge than any other variety. It yields very heavy crops. It has a large spreading head, and the grain is large, plump, and very heavy, weighing forty-eight pounds to the measured bushel. It is one of the very earliest varieties, and on account of its exceptionally fine quality and heavy yield is one of the most valuable varieties grown.

Price subject to change; see supplement following page 48.

Lilly's Abundance

This is a variety introduced from Scotland, and has made a splendid showing in our seed fields, yielding equal to Victory Oats on heavy soil. It also ranks with the best in trials at the Washington Agricultural Experiment Station. The straw is of medium height, sturdy, and stands erect. It is medium early; has a spreading head; the grain is white and of medium size and weight.

Price subject to change; see supplement following page 48.

Write for Special Prices on Large Quantities

Lilly's Black Side Oats

Our prediction of preceding years as to abnormal cropping qualities of this excellent selection has been realized. Our contract crops have been the talk of the district and everyone who saw them growing was enthused with their exceptionally fine appearance and yielding properties.

Lilly's Black Side Oat is a Spring Oat — very plump, weighing 40 lbs. or more to the bushel, and nearly black kernel.

Those of our customers who have hitherto grown the Old Black Tartarian will appreciate this special selection. These Oats were originally picked out from our trials and grown in comparison with others three years ago when they at once outyielded all others. During growth they showed marked characteristics of head and stiff large straw. While it is true that Side Oats do not generally yield as heavily as head oats this selection has proved an exception for two successive seasons. The kernels are larger than other varieties of this type but have a slightly thicker hull.

We have a generous stock, but in view of the exceptionally fine qualities of this Oat there is sure to be a heavy demand. Mail your order early to avoid disappointment, as you cannot obtain Black Side Oats of equal quality elsewhere. Prices subject to change; see supplement following page 48.

Black Side Oats grown on Oscar Kamb Ranch, Skagit County

PRICES ARE F.O.B. SEATTLE OR PORTLAND.

LILLY'S Selected Field Corn

Tested for Germination
Varieties Most Suitable for the Northwest

PLAIN FACTS ABOUT OUR FIELD CORN

Corn can be grown successfully in the Northwest but the soil and cultivation must be right to ensure satisfactory crops. It is especially valuable as a fodder crop and is unequalled for silage.

WE SELECT OUR SEED FROM THE BEST SOURCES OF SUPPLY, AND IT'S GROWN IN THE RIGHT LATITUDES TO GIVE THE NEXT YEAR'S CROP EVERY CHANCE TO RIPEN PROPERLY.

Our seed corn is grown for us under the best possible conditions. Consequently it is unusually strong in vitality. It is carefully graded, too, which insures a bumper crop of high grade ears, not nubbins. It is repeatedly tested for germination, so we know that it is right when it leaves our shipping room. A test, to satisfy us, must show a sufficient number of root sprouts to secure a strong stand and big yield.

Remember, it costs as much to plant poor, indifferent seed and to cultivate the ensuing crop as it does to plant LILLY'S SELECTED SEED CORN, which is the best the market affords.

To make sure of getting the right sort of corn for next season's planting, mail your order and remittance at once, stating your planting and soil conditions—we'll hold the corn until you want it shipped—and send you corn tested right up to date.

LILLY'S Silver King

Silver King is one of the most useful varieties ever introduced. It has been the means of etxending the corn growing industry over a greater amount of new territory than has ever been done by any other single variety. It is particularly adapted for growing in those latitudes where other varieties of corn do not mature satisfactorily. The stalks generally grow 7 to 8 feet in height with ears 2½ feet from the ground. The ears are 7 to 9 inches long, smooth, straight rowed, and of perfect shape. Kernels are large, pure white and dented.

LILLY'S Golden Nugget

The best yellow dent corn for the Northwest. The stalks grow to a good height, producing one or two good ears each. The ears are ten to eleven inches long, fourteen to sixteen rowed, and well filled. The cobs are small and the kernels deep, flinty, slightly dented and of a beautiful golden yellow color. Grown from thoroughbred seed, and is tested for germination.

LILLY'S Pride of the North

This excellent variety has long been the standard corn recommended by the Agricultural Stations as the best yellow dent for Washington and Oregon. The grain is very long, sets close on the cob. It is extremely rich in oil and sugar, goes further in flesh production than ordinary sorts. It matures early and yields heavily. Is especially recommended for silo.

LILLY'S North Western Dent

This is in a class by itself both as to appearance and earliness and its merits are not sufficiently known and appreciated in the Northwest. It is a cross between a Red Flint corn and a White Dent corn and has red kernels with white caps and shading. It is extremely early and productive. Under ordinary circumstances it will mature in 85 to 90 days and yields from 60 to 80 bushels of corn per acre. As a silo corn Northwestern Dent is very desirable for it produces an unusually big amount of good fodder.

LILLY'S Silver King

Other Popular Sorts

LEAMING IMPROVED
Early Yellow dent; long, narrow kernels.

IOWA GOLD MINE
A medium early golden yellow dent corn.

MINNESOTA NO. 23
One of the earliest yellow dent varieties. Sometimes called White Cap Yellow Dent.

CHAMPION WHITE PEARL
A large, late, white dent corn.

EARLY CANADA
An early yellow flint variety.

KING PHILIP
An early red flint corn adapted to the Northwest.

SANFORD WHITE FLINT
A reliable, early, large, white flint corn.

MINNESOTA NO. 13
A good, new, large, early, yellow dent corn.

SWEET FODDER CORN
Sweet corn; producing nutritious fodder.

RED COB ENSILAGE CORN
A red corn for fodder and ensilage.

Prices subject to change—See supplement following page 48.

Prices are F.O.B. Seattle or Portland

Vetch

A Valuable Hay, Ensilage, Pasture, Soiling and Fertilizing Crop

The vetches are among the most valuable leguminous crops that can be grown in the Northwest for hay, ensilage, pasture, soiling, green manure, and for cover crop for orchards. In food value they are about the same as alfalfa, are consumed with less waste and are relished by stock. They are of the greatest value as fertilizers. Like alfalfa, clover, peas and other legumes, vetch has the power of drawing nitrogen from the air and distributing it in the soil. Even though the crop is removed from the land, the soil will be improved; when plowed under the benefit will be much greater.

The names Spring Vetch and Winter Vetch are misleading. Spring Vetch is the variety used almost exclusively west of the Cascade Mountains, and in other mild, cool, moist climates, for either spring or fall sowing. Winter Vetch is used east of the Cascades and in climates where the winters are severe and the summers hot and dry, for fall sowing generally and sometimes for spring sowing.

LILLY'S Purple Vetch

(Vicia atropurpurea)

There are so many excellent characteristics and its proven sutability to our climatic and soil conditions after several years trial that we confidently recommend Purple Vetch to a place on every farm. For Spring sowing it undoubtedly is a strong rival to the Common Vetch and we predict it will ultimately supercede that old variety.

E. B. Stookey, Agronomist, Western Washington Experimental Station, wrote to us July 12, 1920.

"The citrus growers of California find that this is much better adapted under their conditions for green manuring than anything else they have tried. We have grown Purple Vetch here for many years and our average yield per acre is 22 bushels. It is very well adapted to upland and can be depended on to yield about this rate. On the lowlands it has a tendency to grow too late in the season, it being much like peas in this respect. A characteristic about this that makes it very desirable for green manuring is the fact that when there is sufficient moisture it will make a much better growth at high temperature than any other Vetch."

The seed we offer is produce of our own contract crops grown in Washington and the quality is excellent. As there is certain to be a heavy demand please mail order early as stock of the quality we offer is not large.

For price see supplement following page 48.

Common Vetch

To insure a crop of Vetch, or other legumes, inoculate the seed with Farmogerm.

Winter or Hairy (Vicia villosa)

For Fall or Spring East of the Cascades

Winter, Sand, or Hairy Vetch is another legume, similar to Common Vetch, and valuable for the same purposes, but it is suitable for climates where the winters are more severe and the summers hotter and drier for fall sowing but it may also be sown in spring.

It makes splendid hay, ensilage, pasture, green feed, and is of special value as a fertilizer. Used as a cover crop for orchards, it prevents washing of the soil during the winter, and when plowed under in spring it makes one of the very best fertilizers, furnishing nitrogen and humus, both of which are needed by the soils in that section. Nitrogen is the most expensive fertilizing element, and is the element most lacking.

The seed of Hairy Vetch is smaller than Common Vetch, and thirty pounds is sufficient to sow an acre. With it should be sown about sixty pounds of wheat or rye to keep the plants off the ground.

Price subject to change; see supplement following page 48.

Common, or Spring (Vicia sativa)

For Spring or Fall West of the Cascades

Common Vetch is perfectly adapted to conditions west of the Cascade Mountains, where it is sown either in fall or spring, preferably in fall. It is an annual legume, of great value as a nitrogen gatherer, as a green manure, and as a pasture, ensilage and soiling crop. When sown early in fall it is a splendid cover crop for orchards. It makes excellent ensilage, and dairy cattle prefer the hay to that of red clover. The yield of cured hay is from one and one-half to four tons per acre.

Common Vetch sown early in September should be ready for feeding green about the middle of April or first of May. It may be sown as late as the middle of November and should be ready for feeding by the first of June. When sown early in spring it should be ready for feeding in June. It is generally sown at the rate of 60 to 100 pounds per acre, with about 50 pounds of oats, rye, wheat, or barley to support the vines.

Price subject to change; see supplement following page 48.

GROW MORE RYE

Rye has been called the "Grain of Poverty" because it is better adapted to poor soil than any other cereal.

The illustration below shows our contract crop of Rosen Rye grown by Dunlap & Gallacher, Mount Vernon, which yielded

18,249 pounds of grain off 10 acres.

E. B. Stookey, County Agent for Thurston County, writes us:

"It is by far the best variety of rye which has been grown at the Experiment Station, at Puyallup, and should rapidly replace other varieties."

We recommend farmers to sow Rye in 1922. It is a reliable cropper and yielder. ORDER EARLY

Lilly's Rosen Rye

Lilly's Rosen Rye

Rosen is a high yielding, heavy stooling, stiff-strawed, hardy winter rye of wide adaptation. Developed from a Russian importation, it was first grown at the Michigan Agricultural College in 1908. The heads of Rosen are large and full bodied with beards of medium length. The kernels are exceptionally large and plump and of light greenish color. As compared to Common varieties of rye, Rosen heads stands at a more uniform level in the field at harvest, resembling wheat in this respect. Common rye has many sterile glumes, resulting in partially filled heads. Rosen has few vacant places in the head but tends to develop a large plump kernel wherever there is room for one.

Rosen Rye produces yields greatly superior to the Common varieties. In 1908 the first Rosen Rye occupied 20 square feet of ground at the Michigan Agricultural College. The 1920 area of Rosen Rye is estimated at 1,000,000 acres. Only a very small per cent is pure. Growers should demand pure Rosen, grown under conditions which prevent crossing by Common Rye.

The stock we offer is excellent pure Rosen. We recommend early ordering as the demand is sure to be heavy and seed of equal quality will be hard to replace.

Price subject to change; see supplement following page 48.

Petkuser

Our original seed stock was imported from Sweden. From that seed we have grown splendid crops and now have a good stock of seed which is thoroughly acclimated to the Northwest. The heads are long, four rowed and the kernels are larger than the common rye. The straw is strong and will not lodge under ordinary weather conditions.

Price subject to change; see supplement following page 48.

Common Seed Rye

Our seed is specially recleaned, and only the largest and heaviest kernels are retained. Rye is a valuable and hardy crop, providing green foliage in late Fall and early Spring. It matures more quickly than most other crops and can be made to yield a good crop on soil that is too poor for other cereals.

Price subject to change; see supplement following page 48.

Heads of Rosen Rye

LILLY'S Field Peas

A valuable Grain, Hay, Ensilage and Fertilizing Crop for the Northwest. Takes the Place of Corn for Hog Raising

Soil and weather conditions in the Northwest, especially west of the Cascade Mountains, are ideal for growing peas, and field peas are one of our most valuable crops for either grain, ensilage, or soiling. The grain is a splendid food for hogs, and makes hog-raising possible in this section where it is difficult to mature corn properly. Pea-fed pork is unexcelled. Peas are also the most satisfactory crops for "hogging down."

Peas do best when sown very early in Spring. They are sometimes sown in fall west of the Cascades. When sown early they will mature in July, in time to plant the ground to some other crop. They are usually drilled or sown broadcast at the rate of one hundred pounds per acre, together with about one hundred pounds of oats, wheat, rye, or barley to support the vines. They produce twenty-five to thirty bushels of grain, or two to four tons of hay per acre.

Like clover, alfalfa and vetch, peas are legumes and valuable as a fertilizer. **When peas are grown on land for the first time, the seed should be inoculated with Farmogerm to insure presence of nitrogen gathering bacteria.**

Yellow Canadian

These small, round, smooth, yellow peas are the most generally grown field peas for stock food, and great quantities are also used for human consumption.

For prices see supplement following page 48.

Green, or Bluebell

The seed is larger than the Yellow Canadian, and it has a bluish color, but is very similar in all other respects.

For prices see supplement following page 48.

Bangalia

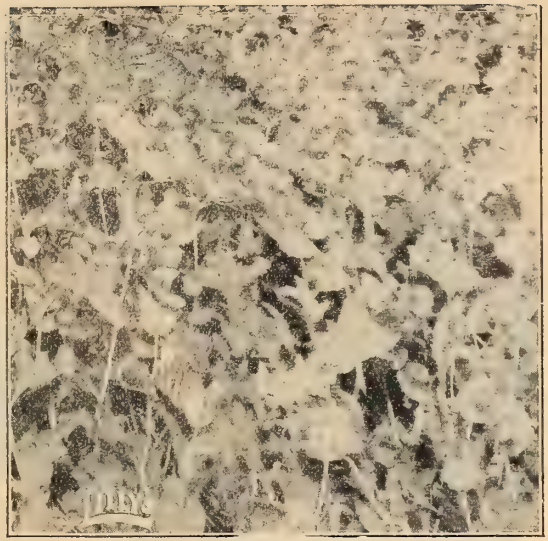
A comparatively new variety which has become quite popular east of the Cascades, as it does better than other varieties on dry land. The seed is rather small, slightly dented or wrinkled, and is of a brownish-green color.

For prices see supplement following page 48.

Whip-Poor-Will Cow Peas

Cow Peas are grown extensively in the south for fodder and to plow under for fertilizer. They may be grown in Eastern Washington and Eastern Oregon, but should not be sown until the ground becomes thoroughly warmed in spring. They cannot be grown successfully west of the Cascade Mountains.

For prices see supplement following page 48.



Field Peas

LILLY'S Emmer, or Speltz

Produces Good Crops Where Other Grains Fail

It is a species of wheat, resembling two-rowed barley in appearance, and is extremely hardy and drought resisting, making it especially valuable for stock food, either as grain, hay or forage, in dry regions or on poor soils.

It will produce fair crops under almost any condition of soil or climate, but its greatest value lies in its ability to produce a crop in hot, dry localities and on poor soil, where other grains would fail. Under such adverse conditions it will produce more and better stock food than any other grain. In feeding value it equals barley or rye. When threshed it retains the hulls like barley, but the beards are very short, as shown by accompanying cut. It is generally sown in spring in the same manner as wheat or barley at the rate of about 100 lbs. to the acre.

For prices see supplement following page 48.

GROW

Sunflowers for Silage

Although the sunflower (Helianthus annus) is a native of North America and has grown in nearly every garden in this country, it is only in recent years that it has been recognized as a forage plant. The earliest record of sunflower cultivation is found in Spain about 350 years ago.

In Oregon and Washington some sunflowers were grown in an experimental way in 1918. The results were such as to stimulate interest, and in 1919 a considerable acreage was planted for silage purposes. The yields were in general very satisfactory, varying from 10 tons per acre, under dry land conditions, to 50 tons per acre. In the higher altitudes and under dry farming conditions, the average yields per acre were greater than with any other crop.

Our illustration shows a crop grown, from seed supplied by us, on Grant & Reids Farm, Wynooche Valley, on rich, sandy clay loam. Seed sown the middle of May in rows 3 feet apart—plants 6 to 8 inches apart in rows. The crop was cultivated twice during the summer and yielded

31 tons per acre →

The variety we offer is

Mammoth Russian, or Giant

For prices see supplement following page 48.

See Supplement Following Page 48 For Prices on Large Quantities

Golden Millet

Millet

Useful as a Catch Crop for Hay and Forage

Millet is a quick-growing annual, and is mostly useful as a catch crop for hay. It may be sown as late as the last of July, after some early crop has been removed, or it may be sown in spring, after danger of frost is past, and harvested before the land will be required for a full sown crop.

For hay it should be sown at the rate of about twenty pounds per acre; for seed to twelve to fifteen pounds is sufficient. It produces two to five tons per acre of very good hay.

Golden

A medium early variety, growing four to five feet high, and making a very good quality of hay or forage. It will thrive in almost any soil or climate, and sometimes produces as much as five tons of hay and seventy bushels of seed per acre. Pound, **10c**; Postage additional.

Japanese

Grows six feet or more in height and produces immense crops of splendid hay forage, or ensilage. It does well in most all climates and soils. Less seed is required than of the other varieties.

Pound, **10c**; Postage additional.

Siberian

A comparatively new variety, imported from Russia; earlier than Hungarian, and very hardy, withstanding more heat and drought than any other variety. It makes a rank growth, with abundance of leaves, and produces immense crops of excellent hay.

Pound, **10c**; Postage additional.

Hungarian

This is sometimes called Hungarian Grass. It grows about three feet high, with slender stems and abundant leaves, and produces two or three tons of excellent hay per acre. It is a week earlier than Golden Millet, and requires less moisture.

Pound, **10c**; Postage additional.

Miscellaneous Field and Forage Seeds

Feterita

A non-saccharine sorghum of special value in the dry farming sections. It is similar to Kaffir Corn, but matures three or four weeks earlier. It makes excellent fodder or produces a good yield of grain.

Pound, **15c**; Postage additional.

Kaffir Corn

A splendid forage plant for the country east of the Cascade Mountains, where it produces large quantities of seed or excellent fodder, but it is of little value on the coast.

Pound, **10c**; Postage additional.

Broom Corn

Another non-saccharine cane, grown for seed, fodder, and for manufacturing brooms. Not grown successfully on the coast, but may be grown east of the mountains. Grown the same as Kaffir Corn.

Pound, **10c**; Postage additional.

Japanese Buckwheat

Excels all other varieties. The grain is large, it yields heavy, ripens early, stands up well, and the flower is fairly equal to any other. It remains a long time in bloom and is excellent for bee pasture.

Pound, **15c**; Postage additional.

Sunflower

The seed is excellent poultry food, when mixed with grains, and should be more generally grown by poultrymen.

Pound, **15c**; Postage additional.

Flax Seed

Sow seed in spring on moist land, at the rate of thirty pounds per acre if grown for seed, or twice that amount if grown for fiber.

Pound, **15c**; Postage additional.

Early Amber Sorghum

[illegible] cane used for making sorghum syrup, also a splendid summer for[illegible] cows; very sweet, rich and succulent. Should not be planted until the weather is thoroughly warm in spring.

Pound, **15c**; Postage additional.

Soja, or Soy Bean

The beans are valuable for both human and stock food, also for the oil which they contain. They are not yet grown very extensively in this country, but great quantities are imported from Asia. The plants are also grown for forage and green manure, similar to Cow Peas.

Pound, **15c**; Postage additional.

"HUBAM"

There has probably never been such a demand for any seed as there is for this new Giant Annual White Sweet Clover, and there is no question but that a plant possessing the characteristics which it does will be of great practical agricultural value. The reports received by the Iowa Experiment Station (where is was discovered in March, 1916), show that in nearly all parts of the United States this Clover has made the remarkable growth of from 4 to 8 feet in from 4 to 5 months from seeding. It is predicted it will revolutionize farming by furnishing the best manurial crop yet introduced. The available supply of genuine seed in commercial quantities being so very limited we recommend early ordering. Price on application.

Corn for Popping

"OURS POPS"—AND POPS LARGE

Remember the children—Let them have some corn to pop. Ours is the earliest variety and is thoroughly matured grain for the purpose. Pkt. **15c**, 1 lb. **25c**, Postpaid.

Write for prices on large quantities

Rotate Your Crops —Grow Roots This Year

Farmer Freeman Says

GROW MORE ROOTS

It is a regrettable fact that Farmers and Stock raisers in this Western country do not fully appreciate the great value of Mangels for feeding Cattle, Sheep and Hogs. There is no question whatever as to the desirability for their more general use. In Great Britain and in fact all other European countries Root crops are grown on a large scale on every farm. Mangels are considered indispensable where stock of any kind is kept. From an economical point of view the Mangel crop is one of the most profitable on the farm as is amply demonstrated by the immense yields which are produced from an acre at very little outlay either in material or labor. 18 to 20 tons of roots per acre is not unusual, some of the roots weighing from 20 to 30 lbs. each. We earnestly recommend every farmer to put in an acre or two of Mangels this season as we are confident the results will more than justify the outlay.

Ruta Baga, or Swedish Turnip

LILLY'S King of Swedes

A Splendid Variety for Stock Food or Table Use

Ruta Bagas are grown and used similar to turnips, but require a longer season for growth and are even more valuable for stock food; they are also preferred by many for table use. Lilly's King of Swedes is an ideal, yellow fleshed rutabaga. The flesh is sweet, fine grained, juicy, tender, solid, and the color is bright yellow, very attractive, making it especially desirable for table use. Its large size, productiveness, hardiness and splendid keeping qualities make it the most valuable variety for winter feed for stock.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** lb. **$1.25,** Postpaid.

American Purple-Top Improved

An excellent variety for either table use or stock. The flesh is yellow, solid and sweet. It is of nearly globular shape, very large, immensely productive, and a good keeper.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** lb. **$1.25,** Postpaid.

Monarch, or Tankard Ruta Baga

The roots are very large and are tankard shaped, with small neck and tops. The color is purplish-red above ground, yellow below. The flesh is yellow, fine grained and sweet. Very productive and a good keeper.

Pkt. **10c,** Oz. **20c,** ¼ lb. **45c,** 1 lb. **$1.25,** Postpaid.

LILLY'S Mastodon Carrot

The Best Variety for Stock Feeding

Lilly's Select Stock Mastodon Carrot is undoubtedly the best variety for stock feeding. It is immensely productive, and on account of being half-long is much easier to harvest than the long varieties. The roots are seven to nine inches long, reasonably smooth, very heavy at the shoulder, tapering regularly to a point. The color is creamy white. The flesh is white, solid, crisp, and of excellent quality for stock feeding. Not recommended for table use. Carrots require rich, well tilled soil, and under favorable con-ditions often yield as much as twenty-five to thirty tons per acre. They are splendid stock food, and should be more generally grown for that purpose.

Pkt. **10c,** Oz. **20c,** ¼ lb. **40c,** lb. **$1.00,** postpaid. 10 lbs. **$9.00,** postage extra.

Write for prices on large quantities.

Garden Helps

The planting and cultivation of root crops, as well as garden vegetables, is made easy and pleasant, and the expense is reduced, by the use of the **Hudson Garden Implements** li ted elsewhere in this catalog. They do away with the back-breaking labor, do the work more quickly, and do it better. They will do more than pay for themselves the first season.

Protect Your Root Crops with LILLY'S Maggot Bait
See Page 62

King of Swedes

Mangel

The stocks we offer are grown by ourselves on Puget Sound, therefore we know they are true to name and type. We have found that the Puget Sound country produces very high grade root seeds, quite equal, and in many respects superior, to those formerly imported from Europe. There is no need for you to plant imported seeds from other sources when you can get home grown stock of such excellent quality as we offer in this catalog. Help us encourage local industry.

Lilly's Danish Sludstrup

Stock Beets are Valuable Winter Feed for Stock and Poultry

Mangels, or Stock Beets, yield immense crops of nutritious, succulent winter food for stock and poultry, and our cool, moist climate on the Pacific Coast is especially adapted to their growth. Danish Sludstrup is a splendid variety, and is undoubtedly the best variety grown. Our original seed stock was procured from Denmark, where the variety has been awarded a first-class certificate by the Danish Government. Sludstrup is a long mangel, smoother than others, uniform in shape, of immense size, and the yield is remarkable. It is of a reddish yellow color, grows well above ground and is easy to harvest, and chemical analysis shows it to excel all other varieties in food value.

Giant Intermediate, or Gate Post

In shape it is intermediate between the long and globe-shaped varieties. The roots are large; neck small and short; flesh nearly white, sweet and tender. A big cropper.

Pkt. **10c,** ½ lb. **40c,** 1 lb. **70c,** 10 lbs. **$6.50,** Postpaid.

Half Sugar Mangel

Combines the size of mangel with the great food value of the sugar beet. The flesh is white, firm, crisp and is greedily eaten by stock.

Pkt. **10c,** ½ lb. **40c,** 1 lb. **70c,** 10 lbs. **$6.50,** Postpaid.

Long Red

A large, red mangel, producing immense crops. The flesh is white shaded with red. Grows much above ground, and is easy to harvest.

Pkt. **10c,** ½ lb. **40c,** 1 lb. **70c,** 10 lbs. **$6.50,** Postpaid.

Golden Tankard

A popular, tankard shaped, stock beet. Large size; flesh yellow; nutritious and well liked by stock. Will grow in shallow soil.

Pkt. **10c,** ½ lb. **40c,** 1 lb. **70c,** 10 lbs. **$6.50,** Postpaid.

Golden Giant

An excellent variety, of immense size, uniform shape, and very productive. The flesh is light yellow, fine grained and very rich. It is half-long, easily pulled, and a good keeper.

Pkt. **10c,** ½ lb. **40c,** 1 lb. **70c,** 10 lbs. **$6.50,** Postpaid.

Royal Red

The roots are very large, uniformly straight, well formed and solid; tops small; color deep red. It produces immense tonnage, roots weighing twelve pounds being not uncommon.

Pkt. **10c,** ½ lb. **40c,** 1 lb. **70c,** 10 lbs. **$6.50,** Postpaid.

Klein Wanzleben Sugar Beet

The variety most generally grown for sugar. Very rich in food values, but not so productive as the mangels. Splendid food for dairy cows.

Pkt. **10c,** ½ lb. **38c,** 1 lb. **80c,** 10 lbs. **$7.50,** Postpaid.

YELLOW GLOBE. Noted for its small top and as it almost sits on the soil lifting the crop involves the minimum of expense. The skin is an attractive golden yellow. The flesh is fine grained and nutritious.

Pkt. **10c,** ½ lb. **40c,** 1 lb. **70c,** 10 lbs. **$6.50,** Postpaid.

A crop of Lilly's Danish Sludstrup Mangel showing roots ready for selection

FORAGE CROP SEEDS

LILLY'S Dwarf Essex Rape

You can't grow a crop that will pay you better profits than Rape. As a forage crop, this great annual is in a class by itself. Hogs and sheep take to it eagerly and put on big gains rapidly. It is usually ready for feeding seven weeks after planting and will produce first-class pasture long after all other green forage has been destroyed by frost. It is particularly useful when other green food is scarce during the dry season in summer and early fall. Rape is easily grown and thrives in almost all soils in the United States and Canada. It can be sown at any time from early spring until August. Planted in cornfields at the last cultivation, it grows to a height of 18 or 28 inches and furnishes splendid fall feed. It thrives best in cool weather and is especially adapted to our climate on the Pacific Coast. It is also frequently sown with oats and other small grain and does not interfere with either the yield or harvesting the grain, but produces a splendid rape crop afterwards; 3 to 5 lbs. of seed is usually sown to the acre. Sow some of it this year and get big yields of succulent forage for your live stock.

1 lb., **15c,** 10 lbs., **$1.35,** 25 lbs., **$3.25,** 100 lbs., **$12.00,**
Postage or freight extra.

A fine crop of Thousand Headed Kale

Ask for LILLY'S CROP BOOK FREE with orders

LILLY'S Thousand Headed Kale

Supplies Green Food for Cows, Sheep, Hogs, and Poultry During Winter

Thousand Headed Kale or Cow Kale as it is sometimes called is one of the most useful crops for the Pacific Coast. It belongs to the cabbage family, is succulent and nutritious and is unequalled as green food for stock, especially poultry and cows. West of the Cascade Mountains it is left in the ground all winter and cut as required for feeding.

It is not only an economical food but by supplying succulent green food will keep stock in perfect health. No poultryman can afford to be without his patch of Kale; it answers the question of green food for fall and winter. Feeding this plant by stripping off the lower leaves is not recommended as regular practice, as it is extremely laborious, especially during wet weather, puddles the soil badly and causes the stripped plants to suffer from frost.

Oz., **10c,** ¼ lb., **25c,** 1 lb., **80c,** 10 lbs., **$7.50,** Postage extra.

OUR YAKIMA STORE is better equipped than ever to serve you. A generous stock of all leading varieties of seeds is available for immediate supply throughout the sowing season.

LILLY'S Marrow Cabbage

(Chou moellier)

White Stemmed

Marrow Cabbage is a valuable dairy and poultry food, very similar to Thousand Headed Kale, but even more prolific. The plants average four to six feet in height, with stalks five to six inches in diameter and weight fourteen to twenty pounds. The stalks are edible and relished by cows. The lower leaves are broken off and fed as they mature.

The plant is not so hardy as Thousand Headed Kale, but is most valuable for green feed in fall and early winter. The culture is the same as for Kale and Cabbage. One pound of seed will produce plants for one acre. Oz., **20c,** ¼ lb., **60c,** 1 lb., **$2.25,** Postage extra.

Produces Great Weight of Leaves

Grows the Same Weight of Stem as Kohl Rabi

Marrow Cabbage

LILLY'S Maggotbate

For use on Cabbage, Onion, Radish, Turnip, and All Root Crops Subject to the Ravages of Root Maggots

This preparation contains chemicals which are very offensive to the adult PHORBIA BRASSICAE BOUCHE (Root Maggot) in the fly stage and therefore prevents them from depositing on the young vegetable plants the eggs which hatch into the small white grubs that we all know as Root Maggots. These loathsome grubs or maggots have quite extensively discouraged back yard gardening by attacking our vegetables and if not entirely destroying the plants, at least damaging them to such an extent as to make them wholly unfit for table use.

The crops thus far suffering most from this pest are Radish, Turnip, Cabbage, Cauliflower, Kale, Brussels Sprouts, Kohl Rabi, etc.

SOMETHING ABOUT ROOT MAGGOTS

This pest, like many other insects, lives a life that is divided into four cycles.

EGG STAGE—Beginning with the egg, which is laid upon the young tender plants just where they come through the ground, we find that they pass into the second or larva stage in about four days when they hatch into a legless grub or maggot.

LARVA STAGE—These small maggots are waxy white or creamy in color and immediately burrow down along the stem of the plant and destroy its roots. They live in this stage about three weeks when they enter the third cycle of their life by assuming the pupa stage.

PUPA STAGE—They weave about themselves a weblike covering or puparium about one-fourth of an inch long, from which they emerge into the adult stage, which completes their life cycle.

ADULT OR FLY STAGE—Only a short time is spent inside this covering during which time the maggot is transformed into a fly. This fly resembles a house fly but is brown in color, has but two wings and its body is somewhat more slender. This fly lays the eggs on the young plants just at the ground line and later dies, while the eggs in turn hatch into maggots and so on, completing the cycle of life in about six weeks during favorable weather.

ROOT MAGGOTS ARE EASY TO CONTROL

in the adult or fly stage by the timely application of **Lilly's Maggotbate** which, through its offensive odor, positively prevents the fly from laying eggs on plants around which it has been sprinkled. Use it early in the season and repeat the application every two or three weeks to keep the odor always fresh in your garden.

Only a little is required. It is easy to use and it is harmless to plants. **Lilly's Maggotbate** is intended to be used for Root Maggots only and must be used before the eggs are hatched. Put up in two sizes. Can be sent Parcel Post.

2-lb. Cartons.....each **25c** **25-lb.** Bags.....each **$2.25**

F. O. B. Seattle or Portland

WHAT USERS THINK OF MAGGOTBATE

Let me tell you of my good luck with Maggotbate. A year ago last spring I set out an acre of cabbage plants, being careful to use Maggotbate. I never saw a worm on those plants and had the best of success.

Yours truly,

Everett, Wash., June 15, 1921. CLYDE H. COWAN.

We have had absolutely no trouble with root maggots since using it. Our first crop of radishes, turnips, etc., was already through the ground when maggots began to get busy, and we simply sprinkled "Maggotbate" over the top and it was effective. About two weeks later we repeated the dose.

J. R. HULSE,

Nov. 4, 1920. 5504 46th S. W., Seattle, Wash.

SEED INOCULATION

Always Inoculate Your Alfalfa, Vetch, Clovers, Peas, Beans and All Other Legume Seeds with

FARMOGERM

if you want a maximum fertilizing value. It pays, even where they are at present successfully grown, because of the great increase of nitrates supplied by high-bred bacteria over that supplied by any germs natively present in the soil.

Inoculation is only certain to be successful

(1) When the seed bed has been properly prepared; (2) When the soil is sweet; (3) When you use good seeds; (4) When the inoculant is fresh and vigorous.

The first three conditions must be brought about by the grower; the last one can be guaranteed by using Farmogerm. As inoculation with Farmogerm produces better crops under normal conditions, in the same manner it helps them in their struggle for life when low temperature, drouth or incessant rainfall operate against them. The cost of Farmogerm is small when its benefits are considered. The various units will thoroughly inoculate greater quantities of seed than similar units of other inoculants.

The 1-acre size, for example, will thoroughly inoculate: Clover, 20 lbs.; Alfalfa, 25 lbs.; Canada Field Peas, 100 lbs.; Vetch, 60 lbs.; Soy Beans, 100 lbs.

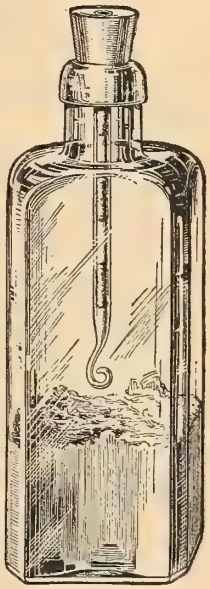
The manufacturers of Farmogerm were the original discoverers and introducers of commercial bacteria and this product is the most dependable that can be secured. Order now. You can use it any time within five years.

There is prepared a distinct culture for each group of crops. Order by number: No. 1 for Alfalfa and Sweet Clover; No. 2 for Red Clover, Mammoth Clover, Alsike Clover and White Clover; No. 3 for Vetch; No. 4, Soy Beans and Cow Peas; No. 5, Garden Peas, Garden Beans, Field Peas and Sweet Peas.

Farmogerm is easily applied to seed just before using. Full directions with each bottle.

1-Acre Size $1.00 **3-Acre Size $2.50** **Garden Size (for 5 only) 50c**
12-Acre Size $9.00

The cut on the right shows the patented air filtering stopper used in the Farmogerm Bottles which guarantees good live bacteria indefinitely. No other inoculator is safeguarded like this.



STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

MAKE YOUR GARDEN MORE PRODUCTIVE: Science has produced a concentrated odorless fertilizer in small, convenient tablets. Easy to use and makes all plants, shrubs and trees flourish.

The tablets should be used in Window Boxes, Potted House Plants, Flower Beds and Borders, for Vegetables, Evergreens, Peonies, Iris, Dahlias, Gladioli, etc., are greatly benefited. Use them in beds of Tulips, Hyacinths, and other things set out in Autumn. Good also for cold frames, hot beds and greenhouse benches.

TRY THIS EASY WAY: Simply insert little tablets in the soil at the base of plants.

Each tablet contains highly concentrated, immediately available plant food. They increase production, heighten color and improve quality. Their use is highly profitable.

A liquid fertilizer can also be made with them that produces results equal or superior to liquid manure.

The name of the tablet is **Stim-U-Plant.** No matter how fertile the soil, **Stim-U-Plant** is effective in feeding and forwarding crops. Market Gardeners all over are ordering large quantities. Order by name—there is no substitute. Full directions in each box.

Price—10 Tablets, **15c**; 30 Tablets, **25c**; 100 Tablets, **75c**; 1000 Tablets, **$3.50.**

LILLY'S MORCROP Fertilizers

The use of a commercial fertilizer is becoming so common now that it is only a question of which fertilizer will be suited best for certain conditions and not as to whether one should be used. In Morcrop we have combined the elements to make a fertilizer suitable for all ordinary purposes.

CONTAINS

Blood, Tankage, Bone Meal, Fish Scrap, Muriate Potash, Sulphate Ammonia, Super Phosphate, Dried Sheep Guano.

LILLY'S 2-10-2 MORCROP

A general purpose fertilizer that has stood the test of time and made good in vegetable gardens, berry ranches, lawns and yards. Especially adapted to the Willamette Valley and Puget Sound districts.

ANALYSIS

Nitrogen as Ammonia	2% to 3%
Phosphoric Acid	10% to 12%
Potash	2% to 4%

HOW TO USE MORCROP

ON VEGETABLE TRUCK CROPS. Use 800 to 1500 pounds per acre. Half of this to be drilled in or broadcasted over the entire surface after plowing and before planting, the balance to be drilled in along the rows or worked in around the plants.

ON BUSH, VINE AND TREE FRUITS. Use 600 to 1200 pounds per acre, following the same method of application as advised for Truck Crops.

ON CEREAL OR GRAIN CROPS. Use 300 to 600 pounds per acre. This should be applied broadcast when the seed is sown.

ON PASTURES AND MEADOWS. Use 400 to 800 pounds per acre on new seeding when the ground is being prepared or 300 to 500 pounds per acre as a top dressing on old meadows and pastures.

ON LAWNS. Use 100 pounds for each 1000 square feet, when making new lawns. This should be worked well into the top four inches of soil before seeding. When top dressing established lawns, up to one hundred pounds can be used on each 2000 square feet. Best results are obtained when used during the rainy season. If application is made during the summer months, smaller quantities should be used and the grounds should be watered freely to make the fertility available at once and to prevent burning in spots where too much is applied.

ON ANY CULTIVATED CROP. At least one-half the fertilizer should be applied broadcast over the entire field, to induce the development of a large and extensive root system which will enable the plants to gather moisture and plant food from a much larger area during the latter part of the growing season. The balance should be applied around the hills or alongside the rows.

ON SOUR OR ACID SOILS. Apply ground limerock at the rate of 1000 to 3000 pounds per acre several months before seeding, and apply the Morcrop at planting time. Lime requires an abundance of water to do its work and should always be applied during the Fall and Winter months.

LILLY'S ORCHARD SPECIAL MORCROP

6-10-4

A fertilizer for the orchards. Results in a general improvement of the orchard, increased growth of tree and greatly increased yield. It helps to set the young fruit and increases its size.

ANALYSIS

Nitrogen as Ammonia	6%
Phosphoric Acid	10%
Potash	4%

LILLY'S POTASH SPECIAL MORCROP

1-8-10

A fertilizer used where soil is rich in Nitrogen but not producing quantity and quality. Particularly useful in orchards in which vetch is grown to furnish nitrogen. Greatly improves the size and color of fruits, grains and root crops.

ANALYSIS

Nitrogen as Ammonia	1%
Phosphoric Acid	8%
Potash	10%

FOR PRICES SEE SUPPLEMENT FOLLOWING PAGE 48

Chemical Fertilizers

SULPHATE OF AMMONIA

Analysis—Nitrogen as Ammonia 25%

Sulphate of Ammonia is one of the most quickly available and most desirable form of Nitrogen to use. It can be used with other fertilizers or used alone as a top dressing. Its advantages are its concentrated form which reduces the cost of applying it, its relative quick availbility, and its physical condition, which permits its easy distribution either singly or in mixtures.

Sulphate of Ammonia is much more desirable than Nitrate of Soda inasmuch as it has all the good qualities of the latter and does not carry with it the danger of burning the crops to which it is applied, then too, its cost is much in its favor, especially when the results are compared.

It is gaining in favor equally fast with Truck Gardeners, Fruit Growers, and Grain and Hay Producers. It is always uniform in quality. The fine dry crystals run as freely and spread as evenly as table salt.

It is instantly absorbed by the water in the soil and is immediately effective. As a top dressing it is usually used at the rate of about one hundred pounds per acre.

It should be borne in mind that Sulphate of Ammonia is not offered as a complete fertilizer but as a source of Nitrogen alone.

On cultivated crops, grains and meadows, use 100 to 150 pounds per acre.

Two and one-half pounds will fertilize a lawn 20x50. Fruit trees should have 4 or 5 pounds each distributed under them at blossom time. Care should be exercised in using it so as not to apply too much which would weaken the plants rather than help them.

Packed in 200-lb. bags only.

NITRATE OF SODA

Analysis—Nitrogen as Ammonia 15%

Is a very valuable fertilizer when correctly used. It is quick in action; the effect will be noticeable within a few days and for that reason it is best used as a top dressing after the plants are up.

To properly use Nitrate of Soda, it should be used with some other fertilizer at the rate of 150 pounds per acre or in even greater quantities for a top dressing for the forcing of such crops as lettuce, radishes, celery and other quick growing crops.

Packed in 225-lb. bags.

SUPERPHOSPHATE

Analysis—Phosphoric Acid, 17%

This is what is known as acid phosphate, being phosphate rock treated with acid to make the phosphoric acid available. While the phosphoric acid in this is not so valuable as that in Bone Meal it is more quickly available and in some cases more useful. Superphosphate is recommended as a top dressing for grass lands and grains. It is generally used at the rate of 300 to 600 lbs. per acre.

Packed in 125-lb. bags.

GROUND LIME ROCK

This is the best form of lime for sweetening sour soil. It is fully as effective as air-slacked lime, does not burn the humus in the soil, is more convenient and less expensive. A large proportion of the land West of the Cascade Mountains is sour, and until the acid is neutralized with lime, fertilizers will be of little benefit. For ordinary cases a ton of ground lime rock per acre will be sufficient. In case of extreme acidity larger quantities will be required.

Packed in 100-lb. bags only.

HYDRATED LIME

This is ordinary lime stone that has been air-slacked.

Packed in 50-lb. sacks only.

MURIATE OF POTASH

Analysis—52% Potash K2O

Potash Salts are especially valuable in Western Washington and the Willamette Valley, where most of the soil is very deficient in potash. It is much used by fruit growers, especially for berries, and in addition to increasing the yield, makes a marked improvement in the quality and color of the fruit. As it makes the fruit more firm it stands shipping better.

Stable manure contains only a small percentage of potash, and the efficiency is greatly increased by adding potash salts.

An average application for most purposes is about 200 lbs. per acre.

This should be used in connection with other fertilizers at the rate of about one hundred and fifty pounds to the acre, and on a small scale, but better results will always be had by using it with some of the commercially mixed fertilizers such as Morcrop, but where gardening or farming is done on a large scale and the results closely watched, it can be used to make up deficiencies in the soil to very good aid.

Packed in 200-lb. bags.

WE ARE DIRECT IMPORTERS OF THE GENUINE KALI WORKS POTASH OF ALSACE-LORRAINE, AND ARE AGAIN IN POSITION TO SUPPLY THIS ARTICLE.

AGRICULTURAL SULPHUR

In recent years sulphur has been found to be lacking on many soils in the Northwest. Wonderful results have been produced by its use especially on legumes.

An experimental plot of alfalfa at the Oregon Agricultural College on which sulphur was used at the rate of 300 pounds per acre produced 10,020 pounds of hay the first year and 10,760 lbs. the second year while a neighboring check plot without sulphur produced only 2990 lbs. the first year and only 960 lbs. the second year. In summing up the results of the trial, Supt. Reimer says: "By actual weight, the hay from the unfertilized plot contained 61 per cent weeds while the plots fertilized with sulphur were almost entirely free from weeds.

Agricultural Sulphur will increase the yield and improve the quality of legume crops. It is worth a trial.

Put up in 100-lb. bags.

LAND PLASTER, OR GYPSUM

Land Plaster is not really a fertilizer, as it contains no plant food, but causes a chemical change in the soil, releasing that which is already there in an unavailable form, and is very beneficial to clover, alfalfa, peas, beans, and other legumes because of the sulphate it contains. It is sown broadcast at the rate of one hundred to five hundred pounds per acre.

Land Plaster should be used in every stable or barn where livestock is kept. Used in the gutters (at the rate of two pounds per day for each grown horse or cow) it will absorb and hold the liquid excretions of the animals and prevent the nitrogen in the manure from escaping into the air. Its general use by farmers and stockmen of the Northwest would save thousands of dollars worth of plant food annually.

Packed in 100-lb. bags only.

PRICES SUBJECT TO CHANGE

SEE SUPPLEMENT FOLLOWING PAGE 48

Animal Fertilizers

LILLY'S BONE MEAL

Analysis—Nitrogen as Ammonia, 2½ to 3%; Phosphoric Acid, 18 to 22%

A splendid fertilizer and for many purposes is the best and cheapest form of nitrogen and phosphoric acid. It forms the base of all the best mixed fertilizers. It is slow in action and there is no waste, as the plant food is released only as fast as it can be taken up by the roots of the plants. It may be used in almost unlimited quantities without danger of burning the plants, neither is there any loss from leaching, and an ideal lawn or rosebed is made by mixing large quantities of bone meal with the soil. It is used extensively in greenhouses, hotbeds, nurseries and for forming soil for potted plants.

Bone Meal will remain in the soil as a plant food for several years, the time depending somewhat on the fineness of the product and also on the condition of the soil. It is especially valuable in making lawns and golf greens where, after the first year, it is possible only to apply fertilizer on the surface. To obtain the best results, Bone Meal should be spaded in to a depth of about twelve inches. This will have a tendency to cause the grasses to root deeply, and it will therefore not be as readily affected by frost or dry weather.

The results of Bone Meal will not be very apparent the first year, but will provide plant food for several years after an application. Bone Meal is also the best form of phosphoric acid to use in greenhouses and under any other conditions where a slow acting fertilizer that does not generate any heat is required.

The quantity to be applied depends almost entirely on the amount of money the owner is willing to invest and is sometimes as high as a ton and a half per acre.

Packed in 10-lb. cartons and 100-lb. bags.

LILLY'S SHEEP GUANO

Analysis—Nitrogen, 2%; Phosphoric Acid, 2%

Pure sheep manure is the strongest animal fertilizer. It contains a high percentage of nitrogen and phosphoric acid, and a liberal supply of potash. To retain this high value, it must be properly handled, or the value will be lost. It is kiln dried and finely pulverized, making it very concentrated and convenient to use.

Packed in odd weight bags.

LILLY'S FISH FERTILIZER

Analysis—Nitrogen, 10%; Phosphoric Acid, 8%

Made from salmon fish scraps, and will produce wonderful results on any crop where an abundance of surface growth is desired. It is splendid for lawns, though the odor is somewhat objectionable. Usually applied at the rate of 400 to 800 lbs. per acre.

In 100-lb. bags only.

LILLY'S BLOOD MEAL

Analysis—Nitrogen as Ammonia, 4%; Phosphoric Acid, 11%

A quick fertilizer and for that reason more valuable than bone meal for some purposes, although the effect is not so lasting. It should not be applied a great length of time before the seed is planted, and is most useful as a top dressing. It is usually applied at the rate of 500 to 1000 lbs. per acre.

Packed in 100-lb. bags only.

LILLY'S BLOOD AND BONE

Analysis—Nitrogen as Ammonia, 15%

A very effective and quick acting form of nitrogen, generally used as a top dressing. Like Nitrate of Soda, it must be used with care, and is best used in several light applications, but when properly used it is a very valuable fertilizer. It is a pure slaughterhouse blood, dried and finely ground.

Packed in 100-lb. bags only.

LILLY'S TANKAGE

Analysis—Nitrogen, 4%; Phosphoric Acid, 10%

Tankage is a mixture of dried blood, meat and bone. The value of it as a fertilizer depends on the proportionate amount of each in the mixture.

Much slaughterhouse refuse is sold as tankage that has very little value as fertilizer. Always consult the tag on the sack which gives an analysis of its fertilizing value.

Gardeners have used tankage in quantities for a long time because it is readily available and acts quickly.

Lilly's Tankage represents the best grade obtainable.

Packed in 100-lb. sacks only.

FOR PRICES SEE SUPPLEMENT FOLLOWING PAGE 48

(Subject to change)

If you can use a large quantity of any kind of fertilizer write us for special quantity prices. It pays.

Beekeepers' Supplies

LEWIS "BEEWARE"

For 48 years Lewis "Beeware" (Registered Trademark) has stood for beekeepers' supplies of so fine a grade of workmanship and quality that the largest beekeepers' associations in the world use these goods exclusively. Backed by Lilly's Service, they are fully guaranteed and worth your patronage.

To fully illustrate and describe the complete line would take too much room from the other subjects in this catalog, so we issue a

SPECIAL BEE SUPPLY CATALOG

of forty pages, which we are glad to send free to any beekeeper or interested person.

This special Bee Supply Catalog is a complete beekeepers' guide and should be in the hands of every beekeeper. Every article is illustrated, described and priced. Write for your copy today, get full information about the

NEW "BEEWARE" ITEMS

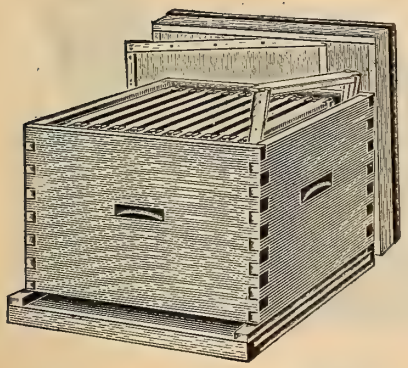
Metal Eyelet End Bars to prevent comb sagging.
Grey Bristle Bee Brush—the bees sting it less.
Improved Hive Tool—much stronger than the old.
4 Way Bee Escape—empties the super faster.
New Cappings Melter—can't clog, won't burn honey.
Shallow Extracting Frames with corner cut top bar.
New Wood and Zinc Excluder—doesn't impede the bees.
Lewis Wiring Devise—takes any size frame.
Big Smoke Smoker—for the commercial beekeeper.
Honey Tanks—electric welded, cannot leak.
Winter Case Experiments to cut winter losses.
Bee Shipping Hive Top—cuts shipping losses.
A Beginners' Outfit—answers a frequent query.
Nucleus Mating Hive—a boon to breeders.
The Lewis-Markle Power Extractor—best yet.
Electric Uncapping Knife—a bear for speed.
And many others equally good.

LOOK FOR

BEE HIVES AND APIARIAN EQUIPMENT
BEWARE
WHERE YOU BUY YOUR
BEEWARE
WATERTOWN WIS. U.S.A.
MAKES THE FINEST.
COPYRIGHT, 1916, BY G. B. LEWIS COMPANY

THIS MARK

THESE ARE EXCLUSIVELY LEWIS "BEEWARE" DEVICES

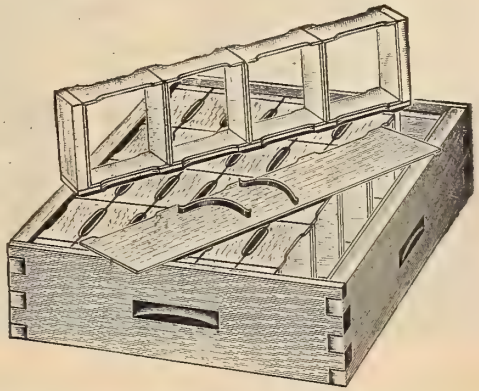


HEADQUARTERS
FOR
DADANT FOUNDATION
(Refined without using acids)

BINGHAM SMOKERS

MUTH VEILS

ALUMINUM
HONEY COMBS



LILLY'S Calf Meal

The Best Milk Substitute

Every Pound Makes One Gallon of Perfect Milk Substitute for Calf Feeding

SAVES MILK SAVES CALVES SAVES MONEY

Don't veal your own good calves and then buy the other fellow's doubtful cows. Both are unwise. You can positively foretell the future value of your dairy herd by raising your own calves. It has been truthfully said that the Sire is half the herd, but this does not imply if you veal his product.

Careful observation will reveal the fact that our most successful Dairymen raise their own calves on LILLY'S CALF MEAL. Read Mr. Chamberlin's letter. He is President of the Southwestern Washington Dairymen's Association, his herd is one of the finest in the State and his experience is similar to hundreds of other successful Dairymen.

LILLY'S CALF MEAL is thoroughly cooked and analyzes 25% to 27% protein and 45% to 50% carbohydrates. It is very low in fibre and is so finely ground that it will stay in suspension and not settle to the bottom of the pail like all other so-called Calf Meals.

LILLY'S CALF MEAL is packed in 25-lb. and 100-lb. bags only. Full instructions for feeding in each bag.

READ WHAT A PROMINENT USER SAYS

"Chas. H. Lilly Co.,
Seattle, Wash.

Gentlemen:

We have mailed you a photograph of four pure-bred Holstein calves. I think we could call them Lilly's Calf Meal babies as they are being raised on it.

We are often asked what we feed our calves, to keep them so sleek and fat, and surprise our friends by saying calf meal made by the Chas. H. Lilly Co., Seattle. Our method of feeding has always been to make the change from the mother's milk to calf meal very gradually, to never guess but to always measure each feed accurately and to watch each calf closely until we determine the correct amount to give so as to neither underfeed or overfeed.

We have been using your calf meal exclusively the past five years and consider it the best on the market, after having tried several other brands.

We have also fed Lilly's Golden Dairy Feed and H. P. Dairy Feed to our dairy cows. The Golden Dairy Feed is a very good feed for dairy purposes and the H. P. Dairy Feed is good to use with home-ground oats to help balance the ration as it is very rich. When one must buy all the grain, we think the Golden Dairy Feed is excellent.

Yours sincerely,

JAS. C. CHAMBERLIN."

THESE ARE MR. CHAMBERLIN'S HOLSTEIN CALVES RAISED ON LILLY'S CALF MEAL

LILLY'S Makemfat Hog Feed

Makes Big Hogs of Little Pigs

Hog Ranchers tell us that in our Makemfat Feed we have the thing that they have been looking for, high protein and fat and an abundance of mineral nutrients that pigs crave and seldom get in other feeds.

Makemfat is not a tonic or a regulator but a staple hog feed that should be fed daily. It is both cheaper and better than home-ground farm grains. We sell it strictly on its merits, and ask you only to give it a fair trial. You will continue its use once you have tried it.

Packed in 100-lb. bags only

LILLY'S PIG MEAL

Makes Weaklings Thrifty

Lilly's Pig Meal is a perfect substitute for sow's milk. It is appetizing, the pigs like it, and they will thrive upon it and continue to grow without any check. Produces rapid growth of bones, muscles and blood, and carries the pigs through the critical stages between weaning time and the time when they can thrive on the regular foods.. One pound of Lilly's Pig Meal will make one gallon of milk substitute. Feed as much as the pigs will eat greedily, or enough to keep them in good growing condition; commence feeding a little before the sow is ready to wean the pigs and continue until they are able to thrive upon other foods, reducing the quantity gradually. Feeding instructions in each sack.

Packed in 25-lb. and 100-lb. sacks.

LILLY'S LAMB MEAL

Saves the Orphans

Ever since Lilly's Lamb Meal has been in use, it has become increasingly popular with sheep breeders. The use and benefits of Lamb Meal are quite similar to Calf Meal. The quantities fed and the number of meals per day vary according to whether the lambs are to be raised entirely on the meal or whether it is used only as an auxiliary feed. We number many large sheep men among the enthusiastic feeders of Lilly's Lamb Meal, and can point to some of the finest prize winners as Lilly's Lamb Meal Babies. Feeding instructions in each sack.

Packed in 25-lb. and 100-lb. sacks.

LILLY'S DIGESTER TANKAGE

Digester Tankage is very high in concentrates, and it takes but a very small amount to balance a ration up to the proper protein content. It is used to a great advantage at practically every age of the pig. If fed before and after the farrowing, it will help the sow to porduce a large milk flow and will keep her in good condition.

Packed in 100-lb. sacks only.

LILLY'S COCOANUT MEAL

Used extensively by dairymen along the Pacific Coast. It may be used with advantage for swine and sheep, serving also as a part of the work horse ration.

Packed in 100-lb. sacks only.

LILLY'S SOY BEAN MEAL

Soy Bean Meal averages forty per cent protein, and should be a part of every ration fed to all live stock, on every farm in this section, for nothing we can offer will show a higher food value in proportion to its cost. It comes to us in the form of large cakes which we grind and grade into all sizes, from large nubbins for sheep feeding to a fine meal for mixing in mashes. Sheep and poultry men should write us for prices on large quantities.

Packed in 100-lb. sacks.

LILLY'S OIL CAKE MEAL

Oil Cake Meal is another highly concentrated food, and is a valuable adjunct to any farm ration for cattle, horses, sheep and poultry. It should be fed with discretion, for it is easy to overfeed any food that is high in protein. It makes a sleek coat and is slightly laxative. It should be mixed with other foods.

Packed in 100-lb. sacks.

LILLY'S GROUND FLAX SEED

Flax seed has been a favorite conditioner among horse and cattle men from time immemorial, and is without question one of the safest. Lilly's is pure flax seed ground without removing the oil. The amount to be used will vary according to the size of the animal, but generally four to eight ounces two or three times a week will keep the animal in excellent shape.

Packed in 100-lb. sacks.

FOR PRICES SEE SUPPLEMENT FOLLOWING PAGE 48

(Subject to Change)

LILLY'S Dairy Feeds

MORE MILK AT LESS COST

The uniform high quality of Lilly's Dairy Feeds have steadily increaesd their sale so that it is now often necessary for us to run our mill day and night to fill the orders as fast as they come in.

They are designed especially to increase the production of milk to the maximum by supplying the necessary amount of protein, carbohydrates and fat required to bring the average farm roughage to a balanced ration. They are palatable, nutritious and are easily digested and will keep cows in the best of condition all during the lactation period.

The leading brands now manufactured by us are LILLY'S HIGH PROTEIN DAIRY FEED, packed in 100-lb. bags; LILLY'S BUTTERFAT FEED, and LILLY'S GOLDEN DAIRY FEED, packed in 80-lb. bags. The first one is very rich in protein and should be mixed with home-ground oats or mill feeds. The last two can be fed without the addition of other feeds. Send for Tag showing Ingredients and Analysis.

LILLY'S "STERILIZED" BONE MEAL

Bone Meal of good quality has been fed for years to Dairy Stock by the best Dairymen of the Old World. It is now being recognized as an important addition to the ration in this country. Veterinarians prescribe it for cows in rundown or weakened condition and recommend that it be fed to growing stock and cows milking heavily. We have an especially fine grade of Bone Meal for this purpose.

Packed in 100-lb. bags only.

LILLY'S ALFALFA MEAL

Lilly's Alfalfa Meal is prepared especially for us from the best grade of Alfalfa kiln dried and ground to a coarse meal. It is very high in protein, about the same as mill feed, and is a splendid adjunct to the grain ration. It may be fed alone or mixed with other foods, either dry or moistened with water or steamed.

Packed in 100-lb. sacks only.

LILLY'S STEAM DRIED BEET PULP

Beet pulp has become a staple food for stock and poultry. It is a great producer of milk and eggs, when judiciously fed in connection with other foods. It has a particular value in the fact that it may be quickly converted into a moist green food by simply soaking it. It has great digestive values, and feeders claim it will condition animals splendidly, especially when green food is not obtainable. It is best fed moist.

In 100-lb. sacks only.

LILLY'S WHOLE FEED BARLEY

Good Barley is recognized among feeders as equal to corn for the feeding of all kinds of live stock.

Packed in 100-lb. sacks only.

LILLY'S ROLLED BARLEY

Good clean plumb barley rolled to help mastication and make it more easily assimilated by the animals.

Packed in 80-lb. sacks only.

LILLY'S GROUND BARLEY

Dairymen know the value of ground barley in the ration. It is high in milk producing elements, and is especially beneficial to cows fed heavily on roots or silage since it counteracts their laxative influence. Considered equal to corn for hog feeding. Being a heavy feed, it is best mixed with other less concentrated feeds.

Packed in 100-lb. sacks only.

LILLY'S CORN FEED MEAL

Corn Meal is a heavy rich feed, and should always be mixed with other less concentrated feeds. It is a more economical fattening feed than whole corn, and is relished by live stock and poultry.

Packed in 100-lb. sacks only.

LILLY'S ALL GRAIN CHOP FEED

Only the best oats, barley and corn go into our chop, for we know that it does not pay to economize by feeding poor chop.

Packed in 80-lb. sacks only.

LILLY'S WHOLE FEED OATS

Whole oats show a higher percentage of digestible protein than does corn, and is usually preferred as horse feed.

Packed in 100-lb. sacks only.

LILLY'S ROLLED FEED OATS

Is a better feed than whole oats for hogs and dairy cows. We roll only good plump oats.

Packed in 70-lb. sacks only.

LILLY'S GROUND OATS

Has a very high value as a milk-producing feed, and ten per cent greater fattening qualities than mill feed. It is better than whole oats for hogs and cows, and is best mixed with other feeds.

Packed in 80-lb. sacks only.

LILLY'S ALFALFA MOLASSES FEED

This is the best grade of Alfalfa Meal mixed with a high quality of feed molasses. In this manner both the palatability and the feeding value are increased to a remarkable degree.

Packed in 100-lb. sacks only.

FOR PRICES
SEE SUPPLEMENT FOLLOWING PAGE 48
(Subject to Change)

LILLY'S *Sterilized* Baby Chick Starter

A Granular, Cooked, Starting Feed for Baby Chicks that equals

"LIFE INSURANCE"

FOR BABY CHICKS

For many years we have recognized the need for a special cooked starting feed for baby chicks. Countless experiments with many feeds and formulas finally led us to this great "life-saving feed."

Of the hundreds of poultrymen who tried it last season, every one without exception agreed that we now had THE BIG THING IN CHICK STARTING FEEDS.

IT CONTAINS BUTTERMILK

The ingredients in Lilly's Baby Chick Starter are right. Everything needed is provided. It is WHOLESOME, SWEET, NUTRITIOUS, APPETIZING, HEALTHFUL, SATISFYING, UNIFORM, and DEPENDABLE. It is not only good in all its feeding qualities, but it is RIGHT IN PRICE.

BEST OF ALL, IT'S COOKED

Our aim all along was the best feed possible to make regardless of price and it is indeed gratifying to know that the price of it is within reach of every poultry raiser. We do not have to add the high cost of a transcontinental freight haul or a nation-wide advertising campaign. LILLY'S POULTRY FEEDS are so well known in the Northwest that the feeds themselves are our best advertising. For this reason the price is always right.

Be sure and try this wonderful feed this year. We feel so confident that it is just what you want that we ask only a fair trial. It will cost you only about ½c per day per chick and should be fed three weeks. By that time they will be so big and strong as to be out of danger.

10c per chick insures this with LILLY'S Baby Chick Starter—a true "Life Insurance Feed."

Packed in Trial, 3-lb., 25-lb., and 100-lb. sizes.

FOR PRICES SEE SUPPLEMENT FOLLOWING PAGE 48

LILLY'S Poultry Foods

LILLY'S HOLLY CHICK FOOD

Results Prove Its Value.

LILLY'S HOLLY CHICK FOOD is undoubtedly the most popular on the market today, it is the original dry grain chick food, the foundation of our success in manufacturing mixed poultry foods, and the standard by which every other chick food is judged. LILLY'S Holly Chick Food is composed of cracked grain graded to the proper size for baby chicks, and contains correct elements in the right proportion for building bone, muscle, blood and feathers without forcing or fattening and makes an ideal complete ration if fed with LILLY'S Chick Mash. The basis of this great feed is cracked wheat, not corn, which is too heating and fattening, or millet, which is almost impossible for chicks to digest.

Packed in 10, 25 and 100-lb. bags.

LILLY'S GROWING FOOD

Keeps Growing Birds Active

Lilly's Growing Food is a mixed scratching ration composed of the proper grain feeds in the correct proportion. Can be converted into bone, muscle, and flesh in the shortest possible time, and consequently with the least expense. Growing food should be fed beginning about the fourth or fifth week, depending largely upon the size and vigorousness of the chicks. At that age, they have outgrown chick food, and it is no longer a profitable feed, but they are not old enough for an adult ration. It is for this stage that we have Lilly's Growing Food and Lilly's Growing Mash. These are to be fed together as the combination will produce broilers or laying pullets in the least possible time at a minimum expense.

Packed in 10, 25 and 100-lb. bags.

LILLY'S SCRATCH FOOD

The Standard Mixed Grain Food

The term "Scratch Food" as applied to poultry feeds was originated by Lilly's, and our Scratch Food is composed of clean, whole grain properly proportioned to supply the necessary protein, carbohydrates and fat according to season. In summer when the weather is warm, we cut down on the corn and other heat and fat producing grains. In winter we increase these amounts. Attention is paid to the number of yolks and whites a ton of Lilly's Scratch Food will produce, and if the scratch is varied in any manner, Lilly's Egg Mash is also changed accordingly so that the poultrymen feeding our egg foods are assured of a real balanced ration. There is no shell, grit or waste material in Lilly's Scratch Food. It is the cleanest scratch on the market.

Packed in 10, 25 and 100-lb. sacks.

LILLY'S HOLLY PIGEON FOOD

Is composed of various grains and feeds pigeons relish and thrive upon. This mixture contains no grit, shell, charcoal or salt.

Packed in 10, 25 and 100-lb. sacks.

LILLY'S FEED WHEAT

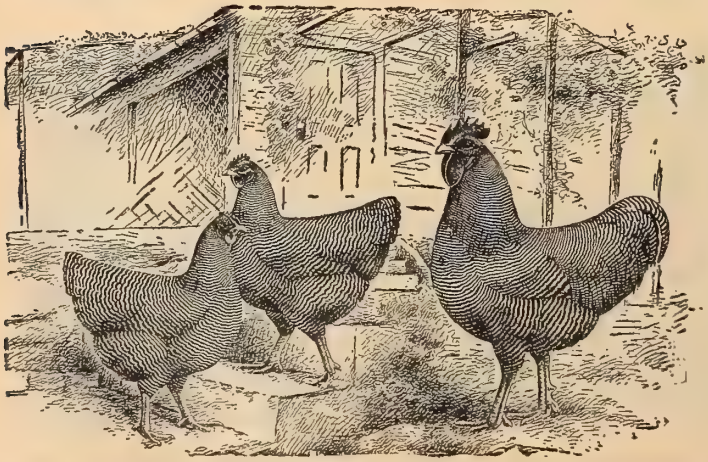
Contains only bright, well ripened grain.

Packed in 125-lb. sacks only.

LILLY'S CLIPPED BARLEY

Recleaned whole barley with the beards closely clipped for poultry feeding.

Packed in 110-lb. sacks only.



LILLY'S WHOLE CORN

Packed in 110-lb. sacks only.

LILLY'S CRACKED CORN

Crushed, yellow, Eastern corn with all the fine particles cleaned out.

Packed in 100-lb. sacks only.

LILLY'S SPROUTING OATS

A special grade of short, plump, high germinating oats with thin hulls especially selected for sprouting and poultry feeding.

Packed in 100-lb. sacks only.

LILLY'S KAFFIR CORN

Clean, ripe, kaffir for poultry feeding.

Packed in odd weight sacks only.

FOR PRICES SEE SUPPLEMENT
Following Page 48

LILLY'S Poultry Mashes

LILLY'S BUTTERMILK MASHES

High in Lactic Acid.

Buttermilk should be a part of the ration for every flock of fowls if the largest number of eggs are to be secured and the flock is to be kept in best of health.

Aside from the Animal Protein which Buttermilk offers, it carries with it Lactic Acid, which nothing equals for toning up the system of man or beast. Lactic Acid works directly upon the digestive organs and alimentary canal, stimulating in a pleasant and healthful manner their action in assimilating other foods.

POULTRY SPECIALISTS at our Experimental Stations have urged the use of Buttermilk in the rearing of baby chicks or where the maximum egg production was to be desired. Poultrymen have, however, found it almost impossible to secure the Buttermilk necessary, either fresh or in semi-solid form, that would always be uniform and fresh, therefore Lilly's Buttermilk Mashes have been welcomed on every side and fill a great and long-felt need.

LILLY'S CHICK MASH

Protein 14%, Fat 4%, Fiber not over 6%

Lilly's Chick Mash is carefully prepared from suitable ground grain and animal matter for the requirements of tender chicks. This mash is designed to be fed dry in hoppers, but if preferred ,a moist mash can be fed every day or so. Add just enough water to make it crumbly.

Packed in 10, 25 and 100-lb. sacks.

LILLY'S GROWING MASH

Protein 16%, Fat 4%, Fiber not over 7%

After the chicks are five to seven weeks old, they can assimilate a somewhat more fibrous food, and a change should be gradually made from Lilly's Chick Mash to Lilly's Growing Mash. Mash foods are easily assimilated by the growing chicks, and consequently maximum growth is secured in the quickest time by the feeding of mash.

Packed in 10, 25 and 100-lb. sacks.

LILLY'S EGG MASH

Protein 19%, Fat 5%, Fiber not over 7%

All authorities agree that in order to secure the maximum number of eggs from fowls, it is absolutely necessary that mashes high in protein constitute at least fifty per cent of their food. Composed as it is of clean, fresh, easily digested foods such as fish meat meal, soy bean meal, cocoanut meal, feed corn meal, pea meal and cereal products, no poultryman can get the maximum amount of eggs, unless he uses it. Fed with LILLY'S Scratch Food, it is only necessary to supply green food, grit, shell, charcoal and water to complete the ration for maximum results.

Packed in 10, 25 and 100-lb. sacks.

LILLY'S MOLTING MASH

Protein 25%, Fat 7½%, Fiber 6%

A great need has been felt for years for some prepared food that would aid chickens in growing feathers after the annual molt. We have prepared a molting mash that will assist materially in bringing hens through the molting period easily and quickly.

Packed in 100-lb. sacks only.

For Prices See Supplement Following Page 48 (Subject to Change)

LILLY'S FATTENING MASH

Protein 4%, Fat 15%, Fiber not over 7%

Lilly's Fattening Mash consists of the correct materials in the right proportion to produce the greatest amount of flesh in the shortest possible time, and at the same time keep the birds in perfect health. It is to be fed in the form of a soft mash.

Packed in 100-lb. sacks only.

LILLY'S MEAT SCRAPS

50% Protein

Lilly's Meat Scrap is the best grade of Western commercial scrap that it is possible to get.

LILLY'S FISH MEAT MEAL

Packed in 10, 25 and 100-lb. sacks.

50% Protein

Fish Meat Meal is an excellent and economical food for poultry. It is used by most of the prominent poultry men, and is endorsed by the experiment stations. Lilly's Fish Meat Meal is a clean, wholesome product, very high in protein, considerable higher than most meat scraps and all the protein that it contains is in available form.

Packed in 10 and 100-lb. sacks.

DARLING'S MEAT SCRAPS

Over 50% Protein

These were the first high grade meat scraps manufactured and among the few to be maintained at their standard of excellence.

Packed in 100-lb. sacks only.

Grit, Shell, Bone and Charcoal

LILLY'S EASTERN OYSTER SHELL

Lime in Its Best Form

Shell is valuable in proportion to the amount of lime it contains. Our Eastern Oyster Shell carries a very high percentage of pure lime and to those poultrymen who believe the best is none too good, this very fine grade of shell will appeal.

Put up in 10, 25 and 100-lb. bags.

LILLY'S STAR SHELL

A Dependable Source of Lime

A combination of Oyster, Clam and Sea Shells, rich in lime and much cheaper than straight oyster shells. Poultry size.

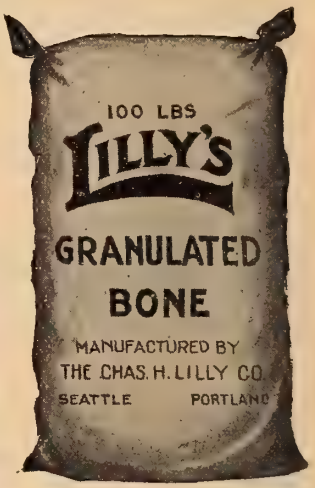
Put up in 100-lb. bags only.

LILLY'S GRANULATED CHARCOAL

For Poultry, Hogs and Other Stock

Charcoal is valuable as a regulator, blood purifier, aid to digestion, and a preventative of bowel trouble. It is equally valuable for hogs and other stock. Made from soft wood. It is screened to two sizes: Coarse Granulated Charcoal for hens, hogs, etc., and fine Granulated Charcoal for chicks and other young poultry, and for mixing with mash foods. Please state which is wanted.

Put up in cartons (about 4 lbs.) and 50-lb. bags.



LILLY'S GRANULATED BONE

For Bone, Muscle and Feather Building

Lilly's Granulated Bone comes as near being green bone as can be kept without becoming mouldy. It is made from fresh, clean slaughterhouse bones, steam cured, ground and screened to the correct size for poultry. The moisture is extracted, leaving the phosphates, lime, protein and fats. It will keep indefinitely if stored in a dry place. Made in two sizes, fine for chicks and coarse or Scratch Food size.

Put up in 10 and 100-lb. sacks.

LILLY'S CRYSTAL GRIT

Aids Mastication

Lilly's Crystal Grit is hard as flint, clean and of uniform size. It is pure granite rock, ground and screened to the proper size and being inlaid with mica, the edges remain sharp as long as a particle remains in the gizzard. Grit should be kept before the birds at all times and it is best served in grit and shell boxes. It is made in two sizes, fine for chicks and ducks, coarse for mature fowls.

Put up in 10 and 100-lb. bags.

LILLY'S SEMI-SOLID BUTTERMILK

THICK LIKE BUTTER

Makes Every Chick a Chicken and Every Pig a Hog

Semi-Solid Buttermilk is fresh creamery buttermilk taken direct from the churn at the creamery and super-soured by the assistance of a Lactic Culture (Bacillus Bulgaricus), then condensed by a special vacuum system at a temperature of 150 degrees Fah. to the consistency of thick butter. It is absolutely pure, fresh, sanitary and free from any foreign acids or preservatives. Besides containing all the food and tonic elements of fresh buttermilk it is pasteurized and the lactic acid is developed to a high degree. Lactic Acid is a great germicide which, by destroying the disease forming bacteria in the intestines, prevents the many diseases common to chickens, calves and hogs. It is positively the safest and cheapest health insurance for growing animals. To feed it simply mix with feed or water, as desired. One gallon makes 20 gallons of buttermilk. Full instructions with each shipment.

Put up in 10-gal. kegs and 52-gal. barrels only.

For Prices See Supplement
(Subject to Change)

LILLY'S Bird Foods and Remedies

LILLY'S PHILADELPHIA BIRD SEED

Made after the formula of the famous Philadelphia mixture. Contains Sicily-canary, large rape, millet and blue poppy or maw seed. Positively will not fatten your singers.

Carton, about 1 lb., each 25c.

LILLY'S HOLLY BIRD SEED

Holly Bird Seed is carefully prepared from sound, ripe seeds mixed in proportion to suit canaries and other hard-billed, seed-eating birds. It always gives complete satisfaction because it supplies the variety that birds crave. A package of Bird Gravel and a piece of Cuttle Bone are included in each carton.

Carton, about 1 lb., each 20c.

LILLY'S BIRD GRAVEL
Clean, sharp and hard.
1-lb. package, each **15c.**

LILLY'S CUTTLE FISH BONE
Small pieces only.
Per lb. **45c.**

LILLY'S FLAX SEED
A good conditioner.
Per lb. **15c.**

LILLY'S SICILY CANARY SEED
Bright, recleaned.
Per lb. **15c.**

LILLY'S BIRD RAPE
Large, plump grains.
Per lb. **15c.**

LILLY'S BIRD MILLET
Well ripened.
Per lb. **10c.**

LILLY'S HEMP SEED
Fresh and appetizing.
Per lb. **10c.**

LILLY'S SUNFLOWER SEED
Full of meat.
Per lb. **10c.**

All Prices are F. O. B. Seattle or Portland

FOR QUANTITY PRICES SEE SUPPLEMENT FOLLOWING PAGE 48

SPRATT'S PET STOCK FOODS AND REMEDIES

We are selling agents for these famous preparations which have the endorsement of the big breeders and fanciers, and are the standard in their line. We can only list a few items in this catalog, but will mail, for a stamp, to dog owners, Spratt's "Dog Culture," which gives reliable advice and information on the care of dogs and tells about Spratt's preparations.

Spratt's **DOG CAKES.** The standard dog food. Used at the leading kennels and dog shows throughout the world. A staple consistent feed for all breeds of dogs.

Prices—Carton 45c, 10 lbs. $1.65, 25 lbs., $3.65, 100 lbs. $13.75.

Spratt's **PUPPY CAKES.** A perfect and whole food for puppies of all kinds.

Prices—Carton 45c, 10 lbs. $1.70, 25 lbs. $3.80.

Spratt's **FIBO.** Can be fed with fine results as a staple diet, especially for the smaller breeds, or makes an excellent change in diet for any dog.

Prices—Carton 45c, 10 lbs. $1.85.

Spratt's **TONIC AND CONDITION TABLETS.** To build up after sickness and put in form for bench show. **50c.**

Spratt's **DISTEMPER TABLETS.** Also good as a preventative. **75c.**

Spratt's **WORM CAPSULES.** The best expellent of round, maw and tape worms. **50c.**

Spratt's **CONSTIPATION TABLETS. 50c.**

Spratt's **DIARRHOEA TABLETS.** To relieve diarrhoea, which usually follows change of food, etc. **50c.**

Spratt's **PATENT WHITE DOG SOAP.** Entirely free from poison, and at the same time most effective in the destruction of lice and fleas. Leaves the coat smooth and glossy. **25c.**

Spratt's **CAT FOOD.** A complete and staple food for cats. Used at the leading catteries throughout the world. **Carton 45c.**

Spratt's **FISH CAT FOOD.** Used as a change of diet, especially through the summer months. **Carton 45c.**

Spratt's **MILK CAT FOOD.** For kittens and invalid cats. **Carton 45c.**

Spratt's **BIRD TONIC.** For the prevention and cure of all diseases of cage birds. **15c.**

Spratt's **BIRD LICE DESTROYER.** For dusting the feathers. **25c.**

Spratt's **COD LIVER OIL NESTLING FOOD.** For feeding young birds and old birds in the moulting season. A tonic and a flesh and bone maker. Unequalled as an aid to feather growth. **15c.**

Spratt's **SONG RESTORER.** A treat and a tonic for canaries, linnets and all seed eating birds. **25c.**

Philadelphia **BIRD MANNA.** A staple food for all song birds. **15c.**

STOCK AND DAIRY SALT

Banner DAIRY SALT. White salt for dairy and cooking purposes.

Put up in 50-lb. sacks only. Each 75c.

Leslie's BRICK SALT. 5-lb. bricks of pure white lick salt for farm animals.

Price, each 15c.
Per case of 20 bricks, $2.50.

LILLY'S HALF GROUND SALT. Used for livestock, salting hay, ice cream freezing, etc.

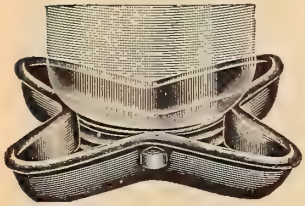
50-lb. sacks, 50c each
100-lb. sacks 90c each

Careyized STOCK TONIC SALT LICKS. Medicated salt for livestock.

1-lb. brick, 30c each
50-lb. bricks, $1.75 each

Poultry Fountains

STAR MASON JAR FOUNTAIN



Made in one size to fit any pint, quart or half gallon Mason fruit jar. Made of one piece of nonrusting metal. No parts to come loose, no corners to collect dirt, and leaking is impossible. Plenty of drinking surface, still chicks cannot be drowned. Can be used for feed as well as water or milk. No jar is furnished. Postage extra 5c each.

No. 1232—Wt. per doz., 4 lbs. Price 10c. Per doz. $1.20.

BOTTOM FILL FOUNTAIN

A two-piece watering fountain that is easy to clean and that can be filled with ease. Chickens can drink from all sides. Made of galvanized iron in three sizes.

No. 1219—1 quart. Weight 1 lb. Price each 40c.

No. 1220—2 quart. Weight 1½ lbs. Price each 50c.

No. 1224—4 quart. Weight 2 lbs. Price each 75c.

BROOD COOP CORNER FOUNTAIN

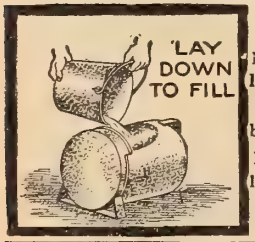
Sets or hangs in the corner of the brooder, coop or runway. Takes up little room, cannot be upset, has a removable bottom and is sanitary in every respect.

No. 1200—1 quart. Weight 1 lb. Price each 50c.

Prices are F. O. B. Seattle or Portland

WALL FOUNTAINS

Very convenient, can be hung on the wall out of the litter. Removable bottom for easy cleaning.

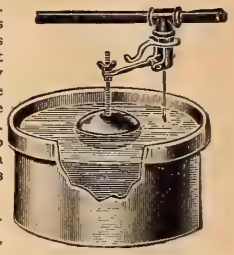


No. 1226—1 gallon. Weight 2 lbs. Price each 80c.

A large wall fountain with solid bottom. Lays down to fill.

No. 1274—5 gallon. Weight 6 lbs. each. Price each $2.15.

AUTOMATIC WATER FOUNTAIN



For the Commercial poultryman. One of the greatest labor savers is this automatic fountain. The birds always have fresh water without the muss and mud that usually goes with running water because as soon as the tank is filled the water is automatically shut off. Any number can be attached to one supply pipe. Equipped with lock to shut off water while tank is being cleaned.

No tanks are furnished as fountain can be adapted to any bucket, pan or trough.

No. 1230—Weight 1 lb. Price each 90c.

DROP BOTTOM FOUNTAIN

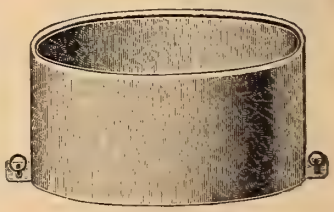
Has a hinged bottom that can be dropped by pressing the brass lever in front. Can be used as a wall fount and has shield to keep out litter. Made of galvanized iron in three sizes.

No. 1240—½ gallon. Weight 2 lbs. Price each 95c.

No. 1241—1 gallon. Weight 3 lbs. Price each $1.25.

No. 1242—2 gallon. Weight 4 lbs. Price each $1.45.

WATER AND FEED DISH



Made of galvanized iron. Rolled-in top prevents wasting. Dish held to the floor by simple locking device easy to remove for cleaning. Impossible to tip over.

No. 1246 — Weight, doz., 7 lbs. Price each 25c. Per doz. $2.50.

TOP FILL FOUNTAIN

This style is double walled, which keeps water cool in summer and prevents freezing in winter. Fills from the top and can be hung on the wall. The square pan allows its use from two pans at once.

No. 1201—1 gallon. Weight 4 lbs. Price each $1.85.

No. 1202—2 gallons. Weight 5 lbs. Price each $2.65.

No. 1204—4 gallons. Weight 8 lbs. Price each $3.50.

Poultry Feeders

GRIT AND SHELL HOPPERS

Made of galvanized iron in three sizes.

Small size for young chicks, square bottom, two compartments.

1245 — Wt. 1 lb. each. Price each **50c.**

Large, round bottom, three compartments.

1299 — Wt. 3 lbs. each. Price each **$1.10.**

Large, round bottom, four compartments.

1290 — Wt. 4 lbs. each. Price each **$1.45.**

ROUND CHICK FEEDERS

Great feed savers, sanitary, well made and cannot be upset. Made in two sizes.

1211 — Diameter 6 in. Wt. per doz. 5 lbs. Price ea. **20c.** Per doz. **$2.25.**

1212—Diameter 8¼ in. Wt. per doz. 10 lbs. Price ea. **30c.** Per doz. **$3.25.**

SANITARY FEED TROUGHS

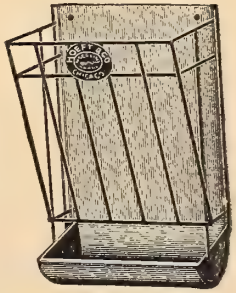
Galvanized with removable tops.

1221—12 in. long. Wt. 1 lb. Price each **50c.**

1222—18 in. long. Wt. 2 lbs. Price each **70c.**

1223—24 in. long. Wt. 3 lbs. Price each **$1.00.**

VEGETABLE FEEDING RACKS



Made of heavy galvanized iron and wire. For feeding roots, green feed, sprouted oats, etc. Saves time and feed. Hang one in every pen.

1244—Wt. 2 lbs. Price each **80c.**

DOUBLE FEED TROUGHS

Galvanized with removable tops.

1258—12 in. long. Wt. 1 lb. Price each **50c.**

1259—18 in. long. Wt. 2 lbs. Price each **65c.**

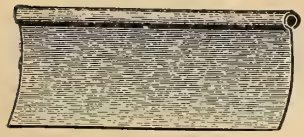
1260—24 in. long. Wt. 3 lbs. Price each **75c.**

FEED AND WATER CUPS

For use on shipping and exhibition coops. Holds about one pint. Made of galvanized iron.

1261—Wt. per doz. 8 lbs. Price each **20c.** Per doz. **$2.25.**

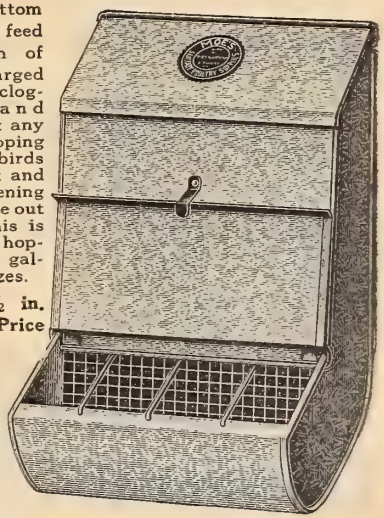
SCRAPER AND CLEANER



Made of one piece of galvanized iron. A very useful tool around every poultry and rabbit house.

1247—10 in. long. Wt. 1 lb. Price each **25c.**

DRY MASH HOPPERS

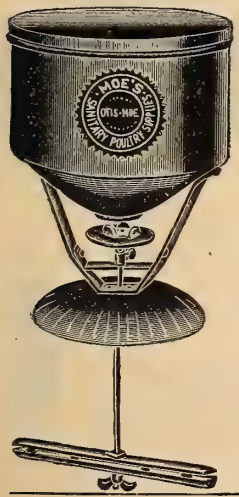


Has curved bottom and keeps the feed within easy reach of the birds. Enlarged bottom prevents clogging. The grid and cross wires prevent any waste of feed. Sloping cover keeps the birds from roosting on it and cover over feed opening keeps rats and mice out of it at night. This is positively the best hopper made. Heavy galvanized in three sizes.

1235—Width 8½ in. Wt. 5 lbs. each. Price each **$1.65.**

1236—Width 12 in. Wt. 6½ lbs. each. Price each **$2.20.**

1237—Width 24 in. Wt. 11 lbs. ea. Price ea. **$3.10.**



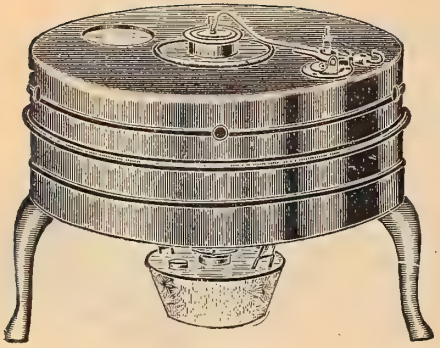
FEEDER AND EXERCISER

Fill the hopper of this automatic grain feeder and the chickens do the rest. They must exercise if they want to eat. Made of galvanized iron in two sizes.

1252—8-qt. hopper. 22 in. high. Wt. 4 lbs. Price **$1.55.**

1253—16-qt. hopper. 28 in. high. Wt. 6 lbs. Price **$2.15.**

Prices are F. O. B. Seattle or Portland



BABY GRAND

Reliable Incubators

BABY GRAND

50 Egg Capacity—All Metal

Unique and superior in its construction. Beautiful in its appearance; excellent in its hatching qualities and most reliable and easiest operated small incubator ever offered to the trade. It has a glass window in top so thermometer can be seen without opening, and the chickens can be seen hatching without opening machine. It has a positive heat and moisture regulation and is equipped with a moisture receptacle for applying additional moisture when needed. Has double top, well insulated and packed; double side walls, with a free circulation of hot air between the walls all the time, making an equal distribution of heat through the machine at all times. The ventilation is perfect, supplying warm, fresh air to all parts of egg chamber at all times.

CAN BE SHIPPED PARCELS POST.

BABY GRAND weighs only 16 pounds. Price each $7.50.

F. O. B. Seattle or Portland

Queen Incubators

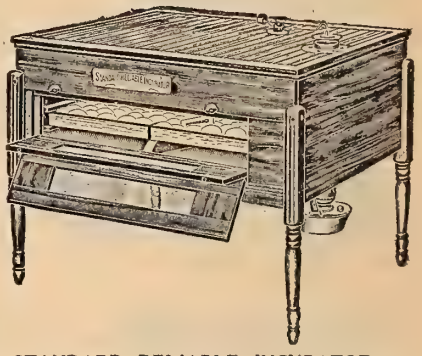
Style "K"

Style "K" Incubators are constructed of Redwood. The top of the machine is relined with insulation. The heater and pipes are made of heavy copper. The machine is equipped with expanson cup, thermometer and egg tester, also has a three-inch brass wafer.

The machine is finished with a coat of shellac and filler, then a coat of varnish, giving it a beautiful appearance. It is the highest type of efficiency in low priced machines.

We have these in the three sizes generally in demand in this type of construction.

	Floor Space	Capacity	Weight	Price
No. 20	23 " x 28"	70 egg	46 lbs.	**$17.75**
No. 21	28½" x 32"	130 egg	85 lbs.	**$29.50**
No. 22	32 " x 36"	220 egg	120 lbs.	**$39.50**



STANDARD RELIABLE INCUBATOR

We also carry the Reliable and Queen Incubators in sizes ranging in egg capacity from 70 to 1100 eggs. If interested, send for special complete Incubator catalogs and state size most interested in.

TYCO'S INCUBATOR HYGROMETER

The importance of a correct percentage of moisture during incubation has made the Tyco Incubator Hygrometer as necessary as the Tyco Incubator Thermometer for successfully regulating the heat and moisture of an incubator. Stands 3¾ in. high and 4½ in. wide over all. Packed each in a box.

Price each $1.75.

STANDARD INCUBATOR THERMOMETER

Tyco's make. Four inch black oxidized brass scale. White filled figures and graduated mercury filled tube. Packed one in a box.

1064 — Price each 65c.

CERTIFIED INCUBATOR THERMOMETER

Tyco's make. Guaranteed for accuracy. Can be suspended on a wire or used with a stand. Four-in. black oxidized brass scale with engraved mercury filled tube. Packed one in a box with certificate.

1007—Price each 95c.

UPRIGHT INCUBATOR THERMOMETER

It is preferred by many poultrymen because the bulb is at the same level as the egg, and the scale is plainly visible from the door.

1065—Price each 65c.

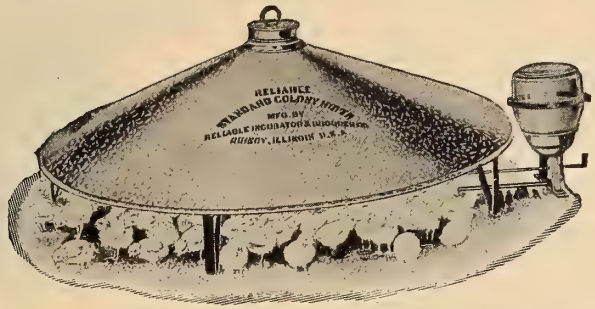
ELECTRIC INCUBATOR THERMOMETER

It is a great convenience to be able to read the thermometer at night, or where the lighting is poor. It can be used in any make of incubator. Complete with battery.

1006—Price each $3.50.

Reliable Blue Flame Brooders

OIL HEATED "WICKLESS" COLONY HOVER



BURNS COAL OIL
STEADY BLUE FLAME
EASY TO OPERATE
ECONOMY OF OPERATION
NO COAL, SMOKE OR GAS
NO WICK TO TRIM
ABUNDANCE OF HEAT
NO OIL FUMES
VISIBLE OIL FEED
CONVENIENT AND SAFE

THE FLOW OF OIL IS REGULATED AUTOMATICALLY

This is the most popular and most efficient Hover we have ever sold.

You can always get coal oil, but it is hard to get hard coal. You can get any amount of heat with these Hovers that is needed at all times.

It will do better work than the coal-burning brooder, with less trouble, less risk of fire going out and with equal success of comfort of chicks entrusted to its care and with less cost.

By using the REILABLE BLUE FLAME WICKLESS OIL HEATED COLONY HOVER, you save time, money and trouble and your chickens will grow faster, get heavier and thrive because our hover will take the very best care of them and keep them comfortable, happy and healthy.

These hovers have the same capacity as the Coal Burners provide, are made of galvanized steel, have angle steel legs and have a capacity with our 30-inch hover, 350 chicks or less; with our 42-inch hover, of 500 chicks or less; with our 52-inch hover, 1,000 chicks or less.

Has a one-gallon self-feeder oil container so that you need have no fear of light going out, for it is simple and requires very little attention. It is equipped with a safety valve. After the valve is once properly adjusted according to directions you need not pay any more attention—for it regulates the drops of oil.

OUR VENTILATOR in top of cone of hover leaves out all foul air made by the chicks. This is done automatically without any bother to the operator and which insures steady and healthy growth of the chicks placed in its care.

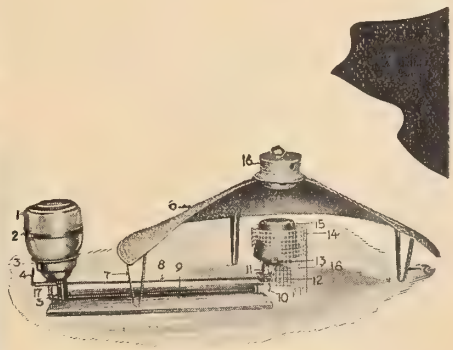
OUR GUARANTEE is that this hover will do all we claim for it, and if not, if the hover is returned by the purchaser within 30 days, we will refund your money.

No.	Size Hover	Weight Com. Hover	Price	Weight Canopy Only	Price	Weight Heater Only	Price	Capacity Chicks
0	30-inch	32 lbs.	**$20.00**	14 lbs.	**$10.00**	18 lbs.	**$12.00**	250
1	42-inch	41 lbs.	**$22.00**	19 lbs.	**$11.50**	22 lbs.	**$13.25**	500
2	52-inch	52 lbs.	**$24.00**	26 lbs.	**$14.50**	26 lbs.	**$14.75**	1000

If you have a coal-burning brooder and desire to change to our oil-burning hover it will only be necessary for you to purchase our Blue Flame Oil Heater complete without canopy.

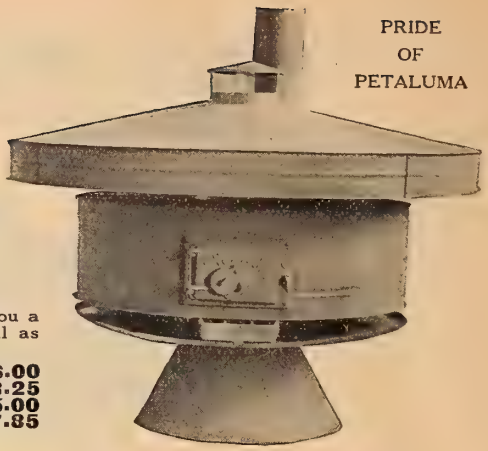
OIL HOVER PARTS

No. 1	Glass Oil Reservoir	$1.60
No. 2	Metal Lift for Reservoir	.55
No. 3	Oil Fount or Rest Bowl	1.60
No. 4	Lever and Control Rod for Adjusting Burner	.65
No. 5	Stand Supporting Rest Bowl	.80
No. 6	Canopy, Prices Elsewhere.	
No. 7	Legs for Canopy, each	.40
No. 8	See No. 4.	
No. 9	Feed Pipe	.80
No. 10	Floor Plate	.45
No. 11	Packing Box	.20
No. 12	Support for Rod No. 8	.45
No. 13	Burner (Give Size Hover)	1.60
No. 14	Burner Guard	1.60
No. 15	Generator and Chimney	2.50
No. 16	Ventilator	1.60
No. 17	Collar to hold Rod 8 in place	.30
No. 18	Lift for Burner	1.35
	Metal Ring for Hover	.80
	Lighting Rings, each	.20
	Lighting Rings, doz.	2.00
	Bottle Valve	.90
	Packing for Packing Box	.20



Brooders

KRESKY BROODER STOVES



PRIDE OF PETALUMA

Perfect Ventilation—Even Temperature

The stoves that get results from the South Sea Islands to Alaska's frigid shores.

Burn Coal Oil, Gasoline or any kind of fuel oil.

Equipped with patented Automatic Oil Regulator, controlled by special thermostadt. Will successfully and economically brood either large or small flocks of chicks without any danger of crowding or piling up. The large models have a capacity up to 1500 chicks.

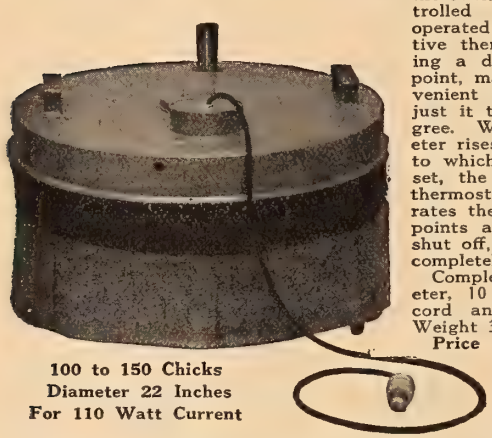
A very novel and efficient method of heat conveyance and ventilation is used.

These stoves are made in four sizes and models. Let us send you a special catalog listing and describing Kresky Brooder Stoves as well as other products they make.

No. 4B—Northwest Model, 1500 Chicks, Wt. 80 lbs. Price.....$66.00
No. 2B—Pride of Petaluma, 1000 Chicks, Wt. 75 lbs. Price..... 63.25
No. 12A—Fresh Air Stove, 1000 Chicks, Wt. 60 lbs. Price..... 55.00
No. 2C—For small lots of chicks, Wt. 40 lbs. Price..... 47.85

Send for Special Catalog if interested

HOVER OAKES ELECTRIC



100 to 150 Chicks
Diameter 22 Inches
For 110 Watt Current

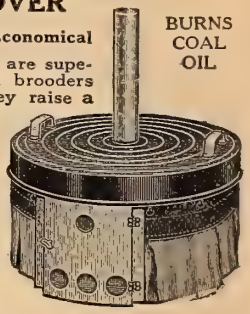
Consumes about as much electric current as one 25-watt lamp and in a room of ordinary temperature, the current is on only about one-quarter of the time. The heat is controlled by a regulator, operated by a very sensitive thermostat, and having a dial with an index point, making it very convenient and easy to adjust it to any desired degree. When the thermometer rises above the degree to which the regulator is set, the expansion of the thermostat instantly separates the platinum contact points and the current is shut off, stopping the heat completely.

Complete with thermometer, 10 feet of extension cord and full directions. Weight 35 lbs.

Price each $15.00.

ECONOMY HOVER

Convenient Safe Economical



BURNS COAL OIL

Metal portable hovers are superior to the old wooden brooders for the reason that they raise a larger percentage of healthy chicks, are more sanitary, safer, more economical and more convenient. No platform, false floor, or other preparation is necessary. Made in two sizes.

BURNS COAL OIL

No. 1 — Economy Brooder Hover, 75 Chicks, 14 pounds, $7.50.

No. 2 — Economy Brooder Hover, 150 Chicks, 32 pounds, $11.00.

Prices are F.O.B. Seattle or Portland

QUEEN COAL-BURNING COLONY BROODER

The Queen Colony Brooder is a new and improved design of coal-burning brooder stove. It is self-regulating by thermostat and once adjusted needs very little attention. The check draft rests on top of the stove and opens outward when fire is too warm, thus giving a gentle inflow of air to retard the heat. While the opening of the draft to increase the fire is located at the top of the stove, it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover.

No. 1—Diameter 42 in. Shipping Weight 75 pounds. Capacity 600 Chicks. Price $23.75.

No. 2—Diameter 52 in. Shipping Weight 90 pounds. Capacity 1200 Chicks. Price $26.50.

3-inch Stove Pipe, per 24-in. length, each 35c.

ALL METAL BROODER THERMOMETER

For hanging at edge of canopy on colony type brooders. Range of temperature scale 10 to 100 degrees. Length about 6 inches.

1061—Price each 65c.

STANDARD HOVER THERMOMETER

On a half-round wood frame, 8 inches long. Magnifying mercury-filled tube. Approximate scale range 60 degrees to 140 degrees. Made especially for hover type brooders but can be used on any style.

1062—Price ea. 65c.

Leg Bands

NO. 4

Prices are F. O. B. Seattle or Portland

SPIRAL CELLULOID BANDS

Six Colors—Blue, Red, Green, White, Orange and Black
No. 1 for Pigeons and Baby Chicks, etc.
No. 2 for Bantams, Leghorns, Minorcas, etc.
No. 3 for Plymouth Rocks, Rhode Island Reds, etc.
No. 4 for Cochins, Orpingtons, etc., and Heavy Male Birds.

	No. 1	No. 2	No. 3	No. 4
25 Bands	$0.20	$0.30	$0.30	$0.35
100 Bands	.50	.75	.85	.95
1000 Bands	4.00	7.00	7.50	8.50

Twelve at the 25 rate, Fifty at the 100 rate, 500 at the 1000 rate.

NUMBERED ADJUSTABLE BANDS

Made of aluminum. Have large raised figures. Numbered from 1 to 999, adjustable to fit any breed of chickens. State numbers wanted.

12 Bands	$0.15	100 Bands	$0.75
25 Bands	.25	500 Bands	3.50
50 Bands	.45	1000 Bands	6.00

DOUBLE NUMBER COLORED BANDS

With these bands you can identify your birds on sight. The colors and numbers are protected by a thick, transparent cover of clear celluloid. They have a strong aluminum back and a very secure fastening. Numbered from 1 to 300.

No. 2—For light breeds, have red background.
25 Bands 50c 50 Bands 95c 100 Bands $1.75
No. 3—For heavy breeds, have blue background.
25 Bands 65c 50 Bands $1.10 100 Bands $2.00

INCUBATOR AND BROODER LAMPS

	Lamp Complete	
No. 1....$1.30	No. 2....$1.60	No. 3....$1.95
	Fount Only	
No. 1.... .70	No. 2.... .80	No. 3.... .85
	Burner Only	
No. 1.... .35	No. 2.... .50	No. 3.... .70
	Chimney Only	
No. 1.... .30	No. 2.... .35	No. 3.... .40
	Wicks, Dozen	
No. 1.... .25	No. 2.... .30	No. 3.... .40

Number 1 Lamp—Consists of metal chimney with mica window, galvanized oil fount and sun hinge burner and ⅝-in. wick. Diameter of fount, 6 in., depth, 2¾ in., height over all 9 in. Weight 1 pound.

No. 2 Lamp—Takes 1-inch wick. Diameter of fount, 7 in., height over all 10 in., weight 1½ lbs.

No. 3 Lamp — Takes 1½-inch wick. Diameter of fount, 8½ in., height over all 12 in., weight 2 lbs.

NEVERSMOKE OR CHIMNEYLESS LAMP

So constructed that it does not require a chimney. There is an open reservoir on top of the oil fount that can be filled with water as a precaution against fire. Diameter of fount, 6 in.; height, including burner, 8 in. Size No. 2 only.

No. 1305—Lamp complete **$1.45.**

No. 1315 — Fount only **85c.**

No. 1325—Burner only **65c.**

LILLY'S NEW LICE AND MITE LIQUID

With this new and powerful liquid, it is a very easy matter to rid your premises of all kinds of lice and mites. Always use it before whitewashing the interior of your poultry buildings and bear in mind that it should be used every time you notice any trace of vermin. Use it each year as a preventative at the approach of warm weather.

Lice and Mites, the greatest drain on the poultryman's profits, are not necessary and should not be tolerated. Lilly's Lice and Mite Liquid is guaranteed to destroy them if used according to directions.

It is ready for use and does not require diluting. It is best applied with a small spray pump or paint brush and should be used on roosts, dropping boards, nests, and all places where mites can hide, giving special attention to cracks and corners.

It must not be applied directly on the birds. It should be applied at frequent intervals, to kill the young as fast as they hatch. It should be used as a preventative; don't wait until the insects get a start.

Qt. 50c, ½ Gal. 75c
Gallon $1.10
5 Gallon $4.00

Poultry Supplies

PETTEY POULTRY PUNCH

It is light, strong, cuts clean and fits between the chick's toes without bruising. Weight 3 oz.

No. 1332—Pettey's Poultry Punch, ea. 25c.

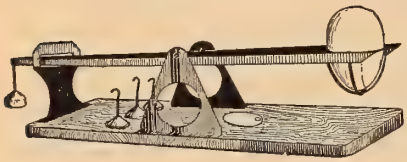
MOE'S POULTRY PUNCH

EASY TO USE—WORKS LIKE SHEARS

Also used for cutting adjustable leg bands to size wanted. Weight ½ lb.

No. 1333—Moe's Poultry Punch. Price each 50c.

GILT EDGE EGG SCALE



Grade your eggs with this handy scale and get more money for them.

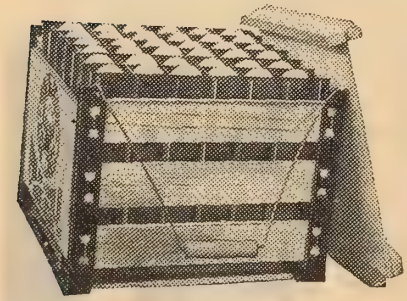
Weight 1½ lbs. Price each $1.70.

MARKET EGG CARTONS

For marketing eggs in a convenient, attractive manner. The best low priced carton obtainable. Not adapted for Parcel Post. Shipping weight, dozen 2 lbs., per 100, 15 lbs.

No. 1016 — Price, per doz. 20c, per 100 $1.30, per 1000 $12.00.

EGG CARRYING CRATES



A very handy egg carrier holding 12 dozen eggs and suitable for parcel post or express shipment. Strongly constructed, iron bound, will last a life-time. Weight 6 lbs.

Price, each $1.00.

EGG CRATE FILLERS

Made of strawboard, and will fit any standard egg crate. Ten 30-dozen sets per case. Weight per case 60 lbs.

PER SINGLE FILLERS (HOLDING 3 DOZEN EGGS EACH) **5c.**

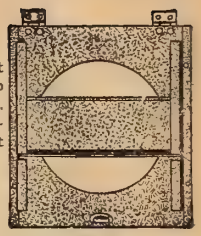
PER TEN-SET CASE (ENOUGH FOR 10 CASES HOLDING 30 DOZEN EACH) **$4.00.**

WIRE HEN'S NESTS

Wire nests are sanitary. They may be hung on the wall. No place for vermin. 5 lbs. per doz.

No. 107—Each 25c, Per Doz. $2.75.

TRAP NEST FRONT



Simple in operation. The front works on hinges, making it easy to remove the birds or clean the nest. They also give the breeder the opportunity of using the size nest best adapted to his birds. Galvanized.. 11 in. wide, 12 in. high. Weight 2 lbs.

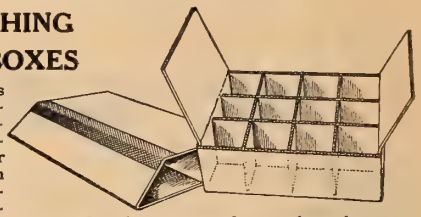
No. 1263—Complete 50c.

CHINA NEST EGGS

The best grade of china nest eggs. Weight, ¾ lb. per dozen.

No. 1019—Per Doz. 40c, per Gross $4.25.

HATCHING EGG BOXES



These boxes afford complete protection for high-priced eggs for hatching when shipped by express or parcel post. They are made of corrugated strawboard.

No. 1012—15 egg. Ea. 25c, per Doz. $2.75. Wt. doz. 15 lbs.

No. 1013—30 egg. Ea. 50c, per Doz. $5.50. Wt. doz. 29 lbs.

No. 1014. 50 egg. Ea. 75c, per Doz. $8.00. Wt. doz. 50 lbs.

No. 1102—36 egg. Ea. 50c, per Doz. $5.50. Wt. doz. 33 lbs.

No. 1104—60 egg. Ea. 80c, per Doz. $8.00. Wt. doz. 60 lbs.

EGG TESTER

Simple, convenient. practical and cheap. Used to test the fertility of eggs after a week's incubation. It may be used on any lamp with a No. 2 burner, or over an electric light or candle. No lamp furnished.

No. 1248—Weight 1 lb. Each 35c.

CHICK SHIPPING BOXES

These boxes are well made of heavy corrugated strawboard, with partitions and proper ventilating arrangements. If wanted in large quantities, write for quotation.

No. 1081 — 25 chick. Ea. 25c, per Doz. $2.75. Wt. Doz. 18 lbs.

No. 1082 — 50 chick. Ea. 35c, per Doz. $4.00. Wt. Doz. 24 lbs.

No. 1083—100 chick. Ea. 45c, per Doz. $5.00. Wt. Doz. 36 lbs.

Poultry Supplies

AUTOMATIC WATER FAUCET

An automatic faucet attaching directly to the supply pipe. Adjustable to work on any size water pan or trough furnishing a constant supply of fresh water. Thousands used by large poultrymen. Send for circular if interested. Weight, 1 lb.

No. 1280—Price each $1.50.

CAPONIZING SETS

Send for circular illustrating and describing the new BEUOY CAPONIZING INSTRUMENTS and showing how to use them.

ALBATROSS CREOLA

The White Disinfectant Paint

A powder to which you simply add cold, warm or hot water and it's ready for use. Can be applied with a brush or spray pump. Dries snow white and is a disinfectant and whitewash combined. Makes poultry houses, barns, stables, hog houses, sheds, cellars, dairies, etc. light and sanitary. It does not flake or peel off.

5-lb. package, each 75c.
100-lb. box, each $13.00.

LILLY'S LICE POWDER

For vermin on poultry, the timely and frequent use of this powder will prevent a great loss to poultrymen from vermin which always attack fowls during warm weather. Setting hens especially should be dusted so the young chicks will not suffer when first hatched. It is well also to dust all the nests occasionally. Packed in 1-lb. sifter top cartons.

Price each 30c.

LILLY'S SODIUM FLOURIDE

Is the best all around cure for lice on poultry. Only a very small quantity is required for each fowl if used dry. It is also soluble in water and is probably more generally used as a dip on large chicken ranches. Directions on each package.

Price, 4-oz. pkg. 20c, 8-oz. pkg. 40c, Bulk, per lb. 65c.

GRIST BONE AND SHELL MILL

Is a combined roughing roll and plate grinding mill, designed to grind dry bone, oyster shell, crockery, charcoal, etc., and at the same time will grind shelled corn and other grains into coarse meal. Shipping weight 35 lbs.

Price each $5.00.

PURITAN LIME

A universal household product with many uses. Write for folder describing its use for Preserving Eggs, Water Softening and Purifying. Polishing and Cleaning, Whitewash, Lime-Sulphru Spray, Sanitation, and on the lawn and garden. Sold only in one and five-pound packages.

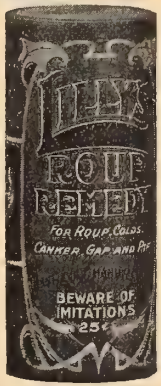
Price, 1-lb. package 15c.
Price, 5-lb. package 50c.

WATERGLASS EGG-PRESERVER

Waterglass is recommended by the U. S. Agricultural Department and by that of foreign countries as the best method of keeping eggs. The package shown in this cut contains sufficient material to keep about 15 dozen eggs in a five-gallon crock.

With eggs as high as they have been for the past several years, no one is overlooking the opportunity of putting up a few dozen or more during the spring when the price is at its lowest point. **Price, per package 20c.**

LILLY'S ROUP POWDER



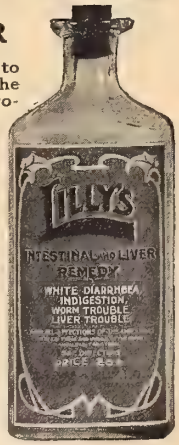
Roup is the most common and most easily contracted of all diseases among poultry. It is a germ disease and the source is usually a cold. If colds are attended to promptly, they can be easily cured but if neglected they are liable to develop into roup. The symptoms of roup are froth, bubbles in the corners of the eyes, sneezing, and a watery discharge from the eyes and nose. When the head swells, eyes bulge out, cheesey masses form in the throat, mouth and beneath the eyelids and there is a bad odor, the disease is known as diphtheric roup and it is highly contagious. Lilly's Roup Remedy prevents and cures Roup, Blackhead, White Comb, Canker, Sore Head and other bacteria diseases. **4-oz. box, price 25c.**

LILLY'S POULTRY PEPPER

In cold, wet weather, it gives tone to the system, puts vim and snap into the birds and is a great help to egg production.

Price, carton (about ¾ lb.) 25c.

LILLY'S INTESTINAL AND LIVER REMEDY



For White Diarrhoea, Worms, Liver and Intestinal Trouble. Prevents and cures the ailments of the liver and intestinal tract of Baby Chicks. Before offering Lilly's Intestinal and Liver Remedy, we convinced ourselves positively that it would do the work. There are directions on each bottle.

Price, 8-oz. bottles, each 25c.

Pratts Poultry and Animal Regulators and Remedies

FIFTY YEARS THE STANDARD

PRATT'S ANIMAL REGULATOR

This is the original and pioneer Stock Regulator of America. It keeps horses well and strong, improves their wind, and makes their coat sleek and glossy.

Cows give more and richer milk, and their calves are strong and healthy. Steers fatten in half the time.

Hogs are raised and fattened quickly and kept free from disease. Sheep are kept healthy, and their meat and wool improved by its use. Test it on our guarantee to do the work or money refunded.

Pkgs., **30c, 60c, $1.20;** 12-lb. pails, **$3.00;** 25-lb. pails, **$4.25;** 100-lb. bags, **$12.00.**

Write for Pratt's Poultry Book—free.

PRATT'S HEAVE, COUGH AND COLD REMEDY

It cures by strengthening the digestive and respiratory organs, and counteracts the inflammation and irritation.

Per pkg., **70c**

PRATT'S DISTEMPER AND PINK EYE REMEDY

It goes direct to the cause of the disease. Per pkg **75c.**

Pratt's POULTRY DISINFECTANT

A good disinfectant is almost as much of a necessity on the poultry plant as poultry feed. Used regularly it keeps the buildings and equipment in sanitary condition, it maintains the health of the flock and prevents disease loss—it saves worry and trouble. All this at ridiculously low cost.

Qt., **70c;** ½ gal., **$1.35;** gal., **$2.50**

PRATT'S HEALING OINTMENT

A splendid antiseptic ointment for man or beast. Keep a box on hand for cuts, burns, sores, galls, scratches, eczema, etc. Per pkg., **35c**

PRATT'S HEALING POWDER

A guaranteed remedy for harness galls, sores, grease heel, bleeding ulcers, etc. It will arrest hemorrhage and check blood flow. Dirt and dust cannot get into wounds, as the Powder forms a coating over them. Per pkg., **30c**

PRATT'S ROUP REMEDY

A sure preventive and guaranteed cure for roup, colds, canker, catarrh and similar diseases. **(Tablets or Powder)** Per pkg., **30c**

PRATT'S LINIMENT

For man or beast. The best thing in the world for lameness, sprains, bruises, thrush, kicks, shoe boils, etc. Bottle, **35c**

PRATT'S BAG OINTMENT

Especially valuable for healing "caked udder" in cows. Per box, **40c**

PRATT'S DIP AND DISINFECTANT

An all-year round necessity on every farm and in every home. Prevents contagious diseases, killing the germs. Destroys insects and vermin on livestock, in barns, poultry houses, etc. Qts., **70c;** ½ gal., **$1.35;** gal., **$2.50**

PRATT'S WORM POWDER

Is a special preparation for destruction of all kinds of worms in horses, cows, hogs and sheep. Per pkg., **60c**

PRATT'S COW REMEDY

Nature's unrivalled assistant to make and keep cows well, to increase the flow of milk and to prevent Abortion, Barrenness, Garget, Milk Fever, Scours, Indigestion, Liver and Kidney Complications.

Per can, **65c, $1.30** and **$3.00**

PRATT'S POULTRY REGULATOR

A positive tonic and conditioner for poultry of all kinds and ages. A health-builder and health-preserver. Not a food. Pratt's Poultry Regulator makes and keeps poultry healthy, vigorous and productive. It shortens the molt, sharpens the appetite, improves digestion and circulation, hastens growth and increases egg-production. It saves feed by preventing waste due to poor digestion. It prevents disease by keeping the birds in condition to resist the common ailments.

Per pkg., **30c, 60c, $1.20;** 12-lb. bags, **$1.75;** 25-lb. bags, **$3.25;** 50-lb. bags, **$5.25;** 100-lb. bags, **$9.50.**

Write for Pratt's Almanac—free.

PRATT'S LICE SALVE

One application is effective for a considerable time.

Tubes, **30c**

PRATT'S HEAD LICE OINTMENT

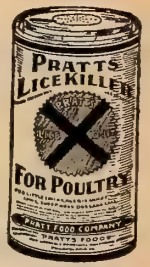
A mild, but efficient, ointment for use on young chicks.

Per can, **35c**

PRATT'S RED MITE SPECIAL

A sure-death liquid for exterminating the blood-sucking mites. Qt. cans, **65c**

PRATT'S POWDERED LICE KILLER



A fine powder for dusting old and young stock. Per pkg., **30c** and **60c**

PRATT'S SCALY LEG REMEDY

This disease not only impairs the vitality of the birds but, also, ruins their appearance. Pratt's remedy will keep the legs clean and healthy. Per pkg., **35c**

PRATT'S CONDITION TABLETS

An easy and effective remedy for "run-down" birds. Keeps show birds in condition and prevents colds, roup and liver trouble. Per pkg., **30c**

PRATT'S BRONCHITIS REMEDY

A quick and effective remedy, fully guaranteed.

Per pkg., **30c**

Pratt's WHITE DIARRHOEA REMEDY

Guaranteed to save the chicks and to cure completely when used promptly. A valuable help in preventing the heavy chick losses usually experienced. Per pkg., **30c**

PRATT'S CHOLERA SPECIAL

A sure remedy for cholera, indigestion, sour crop, dysentery, diarrhoea and bowel trouble. Guaranteed to satisfy or money refunded.

Per pkg., **30c**

PRATT'S CHICKEN-POX REMEDY

Don't risk having your entire flock ruined.

Per pkg., **35c**

PRATT'S GAPE REMEDY

Guaranteed to bring prompt relief.

Per pkg., **35c**

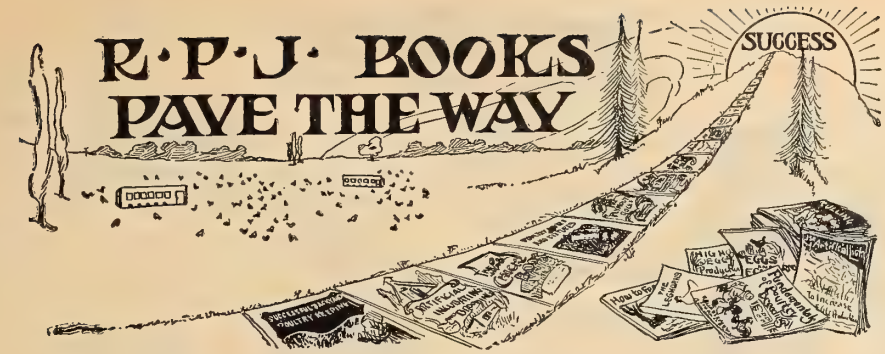
PRATT'S HOG TONIC

For steady growth and quick fattening.

Its use insures more weight and in a shorter period of time with corresponding saving in feed, etc. These results are guaranteed. Test it at our risk.

Per pkg., **$1.20;** 25-lb. bags, **$2.50;** 100-lb. bags, **$9.50.**

All Prices are F. O. B. Seattle or Portland



A PRACTICAL POULTRY LIBRARY

Every poultry keeper should have in his library the best books available, dealing with the particular branches of the industry in which he is engaged.

Current poultry literature in the form of journals, bulletins, etc., is of the greatest value in keeping up to date, but to be thoroughly well informed—to have conveniently at hand all available information—text books and books of reference are indispensable.

The series of poultry books herein listed cover practically every branch of poultry keeping and are the most complete down to date and authoritative works published on their respective subjects. Practically all of them are used in class work in the various agricultural colleges of the country, which fact in itself is sufficient proof of their high rank.

All of these books are of magazine size, attractively printed on super-calendered book paper, beautifully illustrated and reasonably priced—in fact, they offer the BEST VALUE IN POULTRY BOOKS OF WHICH WE HAVE ANY KNOWLEDGE.

No matter what other books you may have, you will make no mistake in adding these to your collection.

POULTRY BOOKS

Fundamentals of Poultry Breedings	$2.00
Poultry for Exhibition	2.00
Profitable Culling and Selective Flock Breeding	1.50
American Standard of Perfection	3.00
Use of Artificial Light to Increase Winter Egg Production	1.50
How to Feed Poultry for Any Purpose with Profit	1.25
Poultry Houses and Fixtuxres Up to Date	1.00
Artificial Incubating and Brooding	1.00
A to Z of Pigeons and Bantams	.95
Call of the Hen	2.25
Egg Record and Account Book	.40
The Chick Book	.50
High Egg Production by Individuals, Pens & Flocks	1.50
The Plymouth Rocks	1.00
The Wyandottes	1.00
Rhode Island Reds	.75
The Leghorns	1.00
The Asiatics	.50
The Campines	.75
The Orpingtons	.75
Successful Back-Yard Poultry Keeping	1.00
Ducks and Geese	.75
Turkeys—Their Care and Management	.75
Rabbit Culture and Standard	1.00

BEE BOOKS

Bee Primer	$0.20
Thousand Answers to Beekeeping Questions	1.35
Bee Keeping	2.25
Productive Bee Keeping	2.25
Practical Queen Rearing	1.10
Advanced Bee Culture	1.10
The Honey Bee	2.75
Beginner's Bee Book	1.10
Fifty Years Among Bees	1.10
Out Apiaries	1.10
American Honey Plants	2.75
How to Keep Bees	1.65
Scientific Queen Rearing	1.10
First Lessons in Beekeeping	1.10
Dadant's System of Beekeeping	1.10

All of the above Poultry and Bee Books are carried in stock and will be mailed promptly.

AGRICULTURAL BOOKS

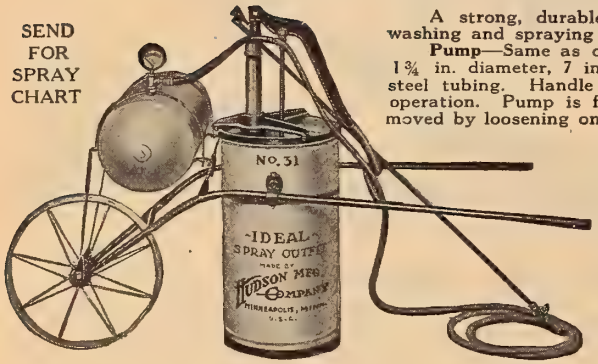
	Postpaid
Beginners' Guide to Fruit Growing	$1.25
Principles and Practices of Pruning	2.50
Small Fruit Culturist	1.75
How to Make a Country Place	3.50
Irrigation Farming	2.35
Landscape Gardening	1.25
First Principles of Soil Fertility	1.40
Federal Farm Loan System	1.40
Forage Crops Other Than Grasses	2.00
Farm Grasses of the U. S.	2.00
A. B. C. of Agriculture	1.00
The Business of Dairying	2.00
Swine Husbandry	2.00
The Shepherd's Manual	1.75
The Farmers' Veterinarian	2.00
Bookkeeping for Farmers	.60
Asparagus	1.00
Cabbage, Cauliflower, and Allied Vegetables	1.00
Celery Culture	1.00
Gardening for Profit	2.35
Gardening for Pleasure	2.35
Greenhouse Construction and Equipment	2.00
Home Vegetable Garden	1.40
Making Horticulture Pay	2.00
Mushrooms—How to Grow Them	1.75
The New Onion Culture	1.00
The Potato	1.25
The New Rhubarb Culture	1.25
Tomato Culture	1.00
Vegetable Forcing	2.50
Strawberry Culturist	.60

These books are mailed direct from the publishers and should reach the purchaser in about two weeks after the order is received by us.

Spray Pumps

THE IDEAL SPRAY OUTFIT

SEND FOR SPRAY CHART



A strong, durable wheelbarrow-sprayer. Particularly desirable for whitewashing and spraying medium size orchards or vineyards.

Pump—Same as our regular No. 4 Barrel Pump. Seamless brass cylinder, 1¾ in. diameter, 7 in. long. Air chamber 2 in. diameter, 30 in. long, made of steel tubing. Handle of correct length and well balanced in weight for easy operation. Pump is fastened to top of tank by spider casting and can be removed by loosening one thumb screw.

Tank—Heavy galvanized steel, reinforced top and bottom with heavy channel iron hoops, malleable castings for attaching to frame. Capacity 15 gallons.

Valve—Bronze balls, inlet and outlet both mounted in one cage, brass intake screen.

Air Tank—Boiler iron, all joints welded, tested to 275 pounds pressure. Braced to frame with channel iron. Pressure gauge reading to 200 pounds.

Discharge Equipment—15 feet ½-in. Ideal Spray Hose, 8 ft. ¼-in. Iron Pipe Extension, Fog Nozzle and Leakless Shut-off. Two lines of hose can be used if desired.

Shipping weight, crated, 130 pounds.

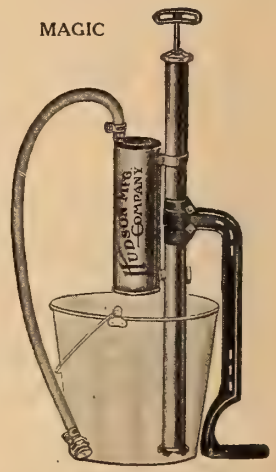
No. 31—Ideal with Galvanized Supply Tank and Boiler Iron Pressure Tank as pictured above. Each $48.50.

No. 30—Ideal Outfit as above (less air pressure tank). Price each $31.75.

MODOC

MAGIC BUCKET SPRAY PUMP

MAGIC



A high pressure bucket pump of new design. Especially desirable for spraying where force is needed or for whitewashing. The intake and outlet valves are easily removable for cleaning out lime and other sediment.

The large air chamber enables the operator to maintain a high pressure and a steady discharge. NO DRIPPING. NO BLOTCHES. NO WASTE. Can be attached to any ordinary bucket or small tank, making a very convenient and portable outfit. All parts except handle and foot rest are of brass.

Discharge Equipment—3 ft. ⅜-in. spray hose and Modoc nozzle for spray or solid stream. Shipping weight 4 pounds. (No bucket furnished.)

No. 124—Magic Bucket Pump. Price each $3.75.

MODOC BUCKET SPRAY PUMP

The pump is double acting, has large capacity and will give 150 pounds pressure at nozzle. The valves and plunger can be removed for cleaning or inspection with a common wrench. All parts except handles and foot rest are of brass. Weight 4 lbs.

No. 122—Modoc Pump. Price each $3.50.

NO. 4 BARREL PUMP

A pump that will develop better than 250 pounds pressure with ease. Can be used with either one or two lines of hose.

Pump Cylinder—Of seamless brass, 1¾ in. diameter, 7 in. long, 6-in. stroke.

Air Chamber—Of high carbon steel, 2 in. diameter, 30 in. long, light and strong.

Valves—Are bronze balls, mounted in one cage fitted with brass intake screen, and are easily removable.

Discharge Equipment—15 ft. ½-in. Spray Hose, Fog Nozzle, Leakless Shut-off, and 8 ft. of ¼-in. Iron Extension Pipe.

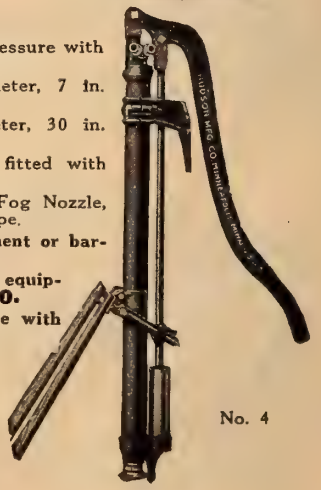
No. 4—Barrel Pump only, without discharge equipment or barrel. Wt. 40 lbs. Price each $13.50.

No. 4A—Barrel Pump, complete with discharge equipment without barrel. Wt. 50 lbs. Price each $18.50.

No. 4B—Barrel Pump, mounted in barrel, complete with full equipment. Wt. 125 lbs. Price each $24.50.

No. 4B

Prices are F. O. B. Seattle or Portland



No. 4

Spray Pumps and Fittings

NOZZLES AND FITTINGS

No. 176—Perfection Shut-off Nozzle **$2.00.**

No. 166
Fog Nozzle
$1.00

No. 168
Fog Nozzle
$1.00

No. 69
Modoc Nozzle
75c

No. 71
Bordeaux Nozzle
$1.50

No. 60
Ideal Nozzle
$1.50

No. 61
Ideal Nozzle
$1.50

No. 80
Shut-off
85c

No. 100
Pressure Gauge
$3.00

No. 147
¼-in. Elbow
50c

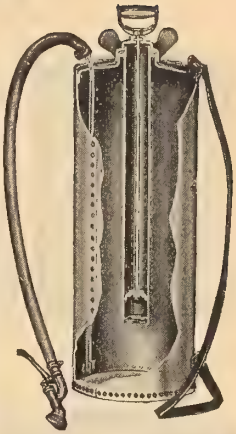
No. 72—⅜-inch Hose Coupling **85c.**
No. 73—½-inch Hose Coupling **85c.**

No. 74—⅜-in. Hose and Nozzle connection. **50c**
No. 75—½-in. Hose and Nozzle connection. **50c**

No. 118
Hose Nipple for Spray Nozzle
30c

No. 175—2-ft. Iron Pipe Extension, **50c.**
No. 42—Bamboo Spray Pole, 8 ft. **$4.00** each.
No. 43—Bamboo Spray Pole, 10 ft. **$5.00** each.

PERFECTION COMPRESSED AIR SPRAYER

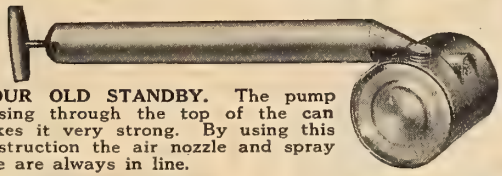


Built for high pressure work. Tank is made with all seams riveted and soldered, has a powerful brass pump. Made especially for spraying garden truck, but by using extension rods, it can be used in young orchards and vineyards as well. Gives very satisfactory results with disinfectants, deodorizers, etc., and is therefore very handy in the Hen House, Cow Stable, Horse Barn or Hog Pen. Shipping weight 10 lbs.

No. 110G — Perfection Sprayer Galvanized Tank. Price each $7.00.

No. 110B — Perfection Sprayer Brass Tank. Price each $10.00.

HOLLY SPRAYER

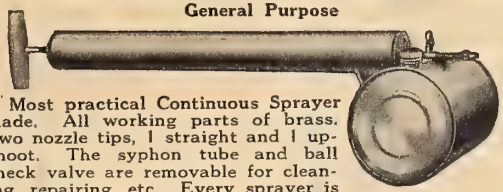


OUR OLD STANDBY. The pump passing through the top of the can makes it very strong. By using this construction the air nozzle and spray tube are always in line.

Tank—Heavy tin. Lock seamed. Capacity 1 full quart. Length over all 21 inches. Shipping weight 2½ lbs. each.
Price each 50c.

CONTINUOUS SPRAYER

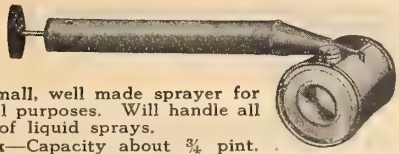
General Purpose



Most practical Continuous Sprayer made. All working parts of brass. Two nozzle tips, 1 straight and 1 upshoot. The syphon tube and ball check valve are removable for cleaning, repairing, etc. Every sprayer is guaranteed perfect.

Tank—Heavy tin. Holds 1 quart. Length over all 18 inches. Shipping weight, each, 2 lbs.
Price each 90c.

MIDGET SPRAYER



A small, well made sprayer for general purposes. Will handle all kinds of liquid sprays.

Tank—Capacity about ¾ pint. Length over all, 14 in. Shipping weight, each, 1¼ lbs.
Price each 35c.

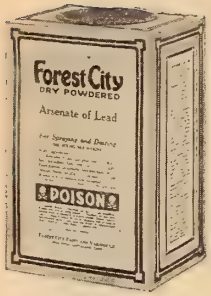
SPRAY HOSE

⅜-in. for Hand Pumps, **14c** per ft.; for Power Pumps, **40c** per ft.

½-in. for Hand Pumps, **17c** per ft.; for Power Pumps, **47c** per ft.

Dry Powdered Insecticides

ARSENATE OF LEAD



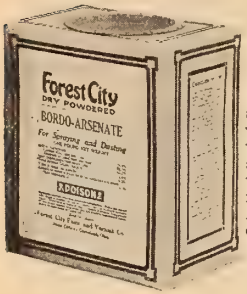
Forest City Dry Powdered Arsenate of Lead is very finely divided and fluffy, making it practical for use either as a wet spray or for dry dusting. As the result of a new process in manufacture, it has greater bulk per given weight than ordinary Arsenate of Lead.

It mixes readily with water, stays in suspension almost indefinitely and will adhere to foliage for the longest possible time. This material will not clog the spray nozzle and insures a most uniform distribution of the poison.

Forest City Arsenate of Lead contains from 31% to 33% Arsenic Oxide, thoroughly combined with Lead. This gives maximum killing power and quick action in the control of leaf-eating insects, while absolutely preventing any danger of burning the foliage or injuring the fruits or vegetables in any way. Growers can use it with every assurance of safety and results in fighting such pests as **Caterpillar, Curculia, Leaf Skeletonizer, Gouger, Slug, Canker Worm, Codling Moth, Leaf Roller, Currant Worm, Berry Moth, Vine Flea Beetle, Cabbage Worm, Potato Bug, Crown Borer, Root Worm** and many other similar pests on Fruits, Vegetables and Shrubbery.

1-lb. Carton, each ....60c.
½-lb. Carton each ....35c.
5-lb. Carton, each $2.55.
25-lb. Drum, each $9.00.
100-lb. Drum, each $32.00.

BORDEAUX MIXTURE



Contains at least 16% copper and is therefore more effective and less expensive than any other and can be combined with any insecticidal poison without losing any of its strength. By the simple addition of water, according to directions, either the 4-4-50, the 5-5-50 or the 3-3-50 formula is quickly made.

1-lb. package, each 50c.
5-lb. package, each $2.25.
25-lb. drum, each $7.00.

BORDO-ARSENATE

The Two-in-One Spray

This product combines the killing properties of Arsenate of Lead and the fungus preventative qualities of Bordeaux Mixture and controls both external leaf-eating insects and fungus diseases at the same time. Full directions for use on each package or will be sent free on request.

½-lb. package, each 30c.
1-lb. package, each 50c.
5-lb. package, each $2.00.

POWDER SPRAYER

POWDER BELLOWS GUN

PRICES ARE F.O.B. SEATTLE OR PORTLAND.

TOBACCO DUST

For fumigating in Greenhouses and other places where insects bother and for applying as a dust spray for Aphis and other soft-bodied insects outdoors or where fumes cannot be confined.

100 lbs. $5.00. Less than sack lots, 7 1/2c lb.

CRUDE SULPHUR

Crude or lump sulphur if wanted in quantity write for prices.

100-lb. sacks $2.75.

POWDERED SULPHUR

Fine ground sulphur for fertilizing Alfalfa, spraying and fumigating. We are importers, and can furnish it in large quantities at lowest prices. Write for prices, stating quantity wanted.

Per lb. 5c. 100 lbs. $3.00.

BLUESTONE

Blue Vitriol used in making Bordeaux Mixture, treating seed grain for smut, etc. If wanted in large quantities, ask for price.

Per lb. 15c.

LILLY'S NIAGARA SOLUBLE SULPHUR

The Dry Lime and Sulphur Compound

An efficient, economical, practical and convenient insecticide and fungicide for spraying all kinds of trees, shrubs and bushes for the control of San Jose Scale, Peach Leaf Curl and many other orchard troubles. It has been in general use among thousands of the best fruit growers in America for years.

It does not deteriorate with age, is not mussy, leaky and cumbersome, to handle, is not harmed by freezing weighs only one-sixth as much as the same quantity of Solution. Easily dissolved in hot or cold water and contains absolutely no sediment or grit to clog and wear out spray pumps and nozzles, which is so troublesome in most other sprays. For DORMANT SPRAYS to control San Jose Scale, Oyster Shell Back Louse, use 12½ lbs. to 50 gallons of water. For Leaf Curl use 10 lbs. to 50 gallons of water, etc. For Summer Spray less is required and the amount used is governed by local conditions, which vary a good deal, usually 1 lb. to 16 gals. of water. Write for Spray Calendar.

1-lb. can 25c, 5-lb. can $1.10, 10-lb. can $1.85, 25-lb. drum $3.25, 100-lb. drum $12.00.

Spray Materials

LILLY'S TOBACCO AND SOAP COMPOUND

To save the householder who takes pride in keeping his Flowers, Shrubs and Vegetables free from aphis and other plant lice the trouble of mixing up his own combination sprays we have prepared this compound. One bottle makes four gallons of spray. You add the water.

Price, 8-oz. bottles 30c.

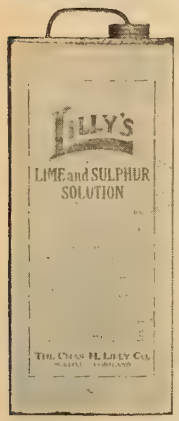
"NICO-FUME" TOBACCO PAPER

The sheets are folded and punched, ready for use, thus requiring no additional labor for folding.

The Paper is guaranteed under the National Insecticide Act to contain not less than 20% of nicotine (meaning 20% of the total contents of the package); its original nicotine content being considerably higher.

For the ordinary greenhouse (100 ft. long by 20 ft. wide) 8 or 10 sheets will usually furnish a strong fumigation against Green Fly, etc. The labels contain complete directions.

Can of 24 sheets $1.25.
Can of 144 sheets $5.00.
Can of 288 sheets $9.50.



LIME AND SULPHUR SOLUTION

Best of the Old Style Sulphur Sprays

Nothing beats the old style Lime and Sulphur Solution for a dormant or winter spray and while it is bulky and cumbersome to handle, many of our best Fruit men will use nothing else. It has been used by the orchardists of the Northwest for many years, and has long been the standard sulphur spray.

It is a clear, cherry-like solution, free from sediment, and tests 30 to 32 degrees Baume, which is about as concentrated as it is possible to make lime and sulphur spray which will remain in solution.

1-gallon can 75c.
5-gallon can $2.75.
Barrel (about 50 gals.) $13.00.

TREE TANGLEFOOT

Tree Tanglefoot is a sticky compound similar to that used in amking Tanglefoot Fly Paper.

On matured fruit trees and all shade trees it is applied directly to tree trunks; on young fruit trees over strips of manila paper.

One pound makes about 10 lineal ft. of band, remains sticky 3 months and longer, effective rain or shine. Won't soften, won't run or melt, yet always elastic, expanding with growth of tree. Applied with a wooden paddle. Will not injure trees.

1-lb. pails 50c,
5-lb. pail $2.40,
10-lb. pail $4.50.
25-pound pail $10.50.

FISH OIL SOAP

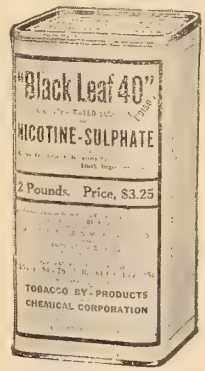
Used as a wash during the summer by Hop Growers, Fruit Men and Florists to destroy Aphis and other insects and to prevent the spread of scales and fungus, also as a spreader for the tobacco sprays.

50-lb. box $7.50. 1-lb. wrapped bars, each 20c.

BLACK LEAF 40

"Black Leaf 40" is a concentrated solution of nicotine sulphate and is guaranteed under the United States National Insecticide Act to contain not les sthan 40% of Nicotine by weight.

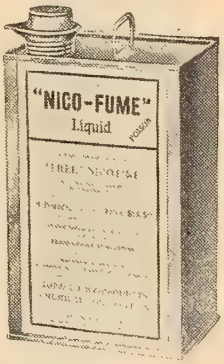
"Black Leaf 40" is perfectly soluble in water; no clogging of nozzles.



One part of "Black Leaf 40" is usually diluted as follows: With about 800 parts of water for Black Aphis and Woolly Aphis; with about 1000 parts of water for Green Aphis, Rosy Aphis, Pear Psylla, etc.; with about 1200 parts of water for Onion Thrips; and with about 1600 parts of water for Grape Leaf-Hopper; when prepared according to the directions on the labels.

If desired, "Black Leaf 40" may be used in combination of Arsenate of Lead, Lime-Sulphur, and Bordeaux Mixture — thereby saving the labor expense of making separate applications. For more detailed information see our special spraying leaflets.

For Dipping Sheep and Cattle—to destroy scabies: The 10-lb. tin of "Black Leaf 40" will produce 960 gallons (U. S. Measure) of dipping solution. The resulting mixture contains fully "5/100 of 1% nicotine," the strength required by the U. S. Government in Official Dippings of sheep and cattle for scabies.



"Non Poisonous." Diluted in accordance with directions, "Black Leaf 40" is classed as a non-poisonous dip to the animals specified.

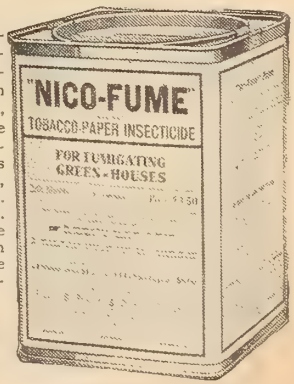
"Black Leaf 40" does not stain nor injure wool at the dilution given.

1 oz. (about 6 gals. spray) 25c.
¼ lb. (40 to 150 gals. spray) $1.00.
2 lbs. (160 to 600 gals. spray) $3.25.
10 lbs. (800 to 3000 gals. spray) $13.75.

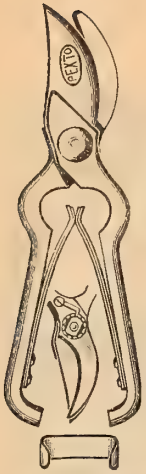
"NICO-FUME" LIQUID

"Nico-Fume" Liquid is a highly refined solution of "free" nicotine, guaranteed under the National Insecticide Act to contain 40% of nicotine. For Spraying, one or two teaspoonfuls to the gallon of water furnish an effective remdey against Green Aphis and Thrips; and for Vaporizing, one-half ounce per 2,000 cubic ft. furnishes a strong fumigation. "Nico-Fume" Liquid thus has the advantage of being employed both for spraying and fumigating. The labels contain complete directions.

1-lb. tins $2.00.
4-lb. tins $7.50.
8-lb. tins $14.50.



Horticultural Supplies



PRUNING SHEARS

Swiss Pattern—Full polished, best quality crucible steel blades, tempered, ground convex adjusting nut and regulating ratchet. Longitudinal double brass spring; removable handle clip. Length 9 inches; exactly as illustrated on the left. (Each shear packed with an extra blade.)

No. R85—Swiss Pattern, per pair $2.90.

California Pattern—With adjusting nut and regulating ratchet; polished tool steel blades, tempered, volute spring; length 9 inches. See illustration on the right.

No. R50—California Pattern, per pair $1.55.

California Pattern—With adjusting nut but no regulating ratchet. Tool steel, polished and tempered blades, volute spring, length 8 inches.

No. 50—California Pattern, per pair $1.20.

Ladies' Rose Pruner—Forged from high-grade steel, polished and nickel-plated. Its attractive finish and handy size help make it particularly desiralbe. Length 6 inches.

Ladies' Rose Pruner, per pair $1.60.

Budding Knife—Strong, well made, with polished tool steel blades.

No. 347—Price, each $1.50.

Pruning Knife—Handy grip handle, curved, polished tool steel blade, a high grade article.

No. 333—Price, each $1.85.

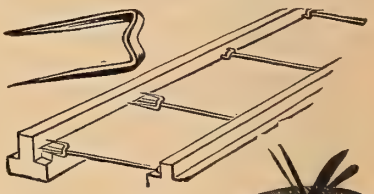
LILLY'S GRAFTING WAX

Our own make, very superior quality. Packed in one-pound packages only.

Per lb. 45c.

PEERLESS GLAZING POINTS

For greenhouse and hot-bed sash. Only two required for each pane of glass, and so constructed that glass cannot slide. 1,000 to a pound. **Price per pound 90c.**



RAFFIA

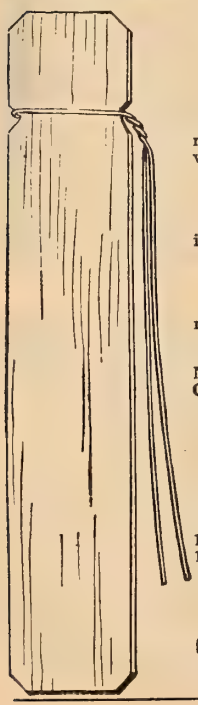
Natural color, for nursery and garden work, also used for making baskets.

Price: 1 lb. 25c, 25 lbs. or more 20c, in bale lots (225 lbs.) write for prices.

NEPONSET PAPER POTS

Splendid for handling and shipping plants. Unbreakable, light and economical.

Size—	Weight 1000	—Price— 100	1000
2½ in.	18 lbs.	**$0.70**	**$ 6.50**
3 in.	28 lbs.	**.95**	**9.00**
4 in.	50 lbs.	**1.50**	**14.00**



FRUIT PICKING BAG

Made of 10-oz. canvas, holds one bushel. Metal frame holds mouth always open. Bottom opened by snap and empties instantly without bruising fruit. Fine, too, for planting potatoes.

Weight 2 lbs. Price $1.75.

GARDEN STAKES

For marking or labeling rows in the garden. White pine, 12 in. long, 1⅛ in. wide. Weight 2½ lbs. per 100.

Prices, 100 $1.30, 1,000 $12.00.

TREE LABELS

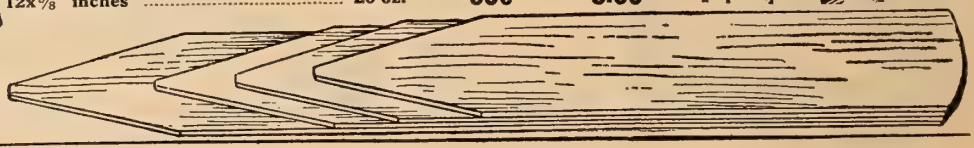
For labeling trees, plants, etc. Made of white pine. Furnished either with or without wire. 3½ inches long, ⅝ in. wide.

Style—	Weight 1000	—Price— 100	1000
Notched, not wired	6 oz.	**20c**	**$1.85**
Copper wired	7 oz.	**35c**	**3.20**

POT LABELS

For labeling plants in pots or beds. Made of white pine.

Size—	Weight 100	—Price— 100	1000
4x⅝ inches	5 oz.	**20c**	**$1.75**
5x⅝ inches	6 oz.	**25c**	**2.25**
6x⅝ inches	8 oz.	**35c**	**3.25**
10x⅝ inches	16 oz.	**75c**	**7.00**
12x⅝ inches	20 oz.	**90c**	**8.00**



LILLY'S Fly Liquid

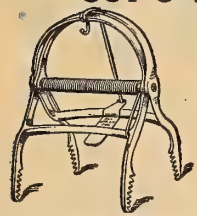
Comfort for Stock, Profit for Owner

Most of the fly troubles can be overcome by the use of Lilly's Fly Liquid. If sprayed on cows or other stock once or twice a day, flies will not annoy them. By spraying screens, stable doors, manure piles, garbage cans, and other places where flies congregate, they will be eliminated and breeding curtailed.

Unless you protect your stock you are spending money for feed to fight flies and mosquitoes. It is impossible to get away from this fact. Part of it the flies get by sucking the blood from the stock and the rest is expended in energy fighting these pests.

Qts. 50c, ½ gal. 75c, gal. $1.25, 5 gal. $4.00.

OUT O' SIGHT MOLE TRAP



This has been the Standard Mole Trap for many years. It is absolutely reliable.

Directions for setting and full explanation of the mole's habits furnished with each trap. Heavy powerful spring, malleable iron jaws. Teeth designed so as not to injure the fur. Japanned finish. Weight 1½ lbs.

Price, each $1.25.

WOODLARK SQUIRREL AND GOPHER POISON

Ready for Instant Use—Never Fails

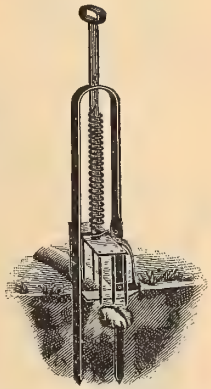
Is guaranteed the most reliable and destructive agent yet devised for the extermination of Squirrels, Sage Rats, Prairie Dogs, Pocket Gopher, Field Mice and Crows. Every kernel is warranted to kill. We will cheerfully refund the purchase price in every case in which it fails to satisfy. Should be used early in the Spring when green food is scarce. Place a few kernels near the burrowing place of the animals. Care should be used in placing it so as not to destroy song birds.

Price—1-lb. Cans, each 50c.
10-lb. Cans, each $4.50.
25-lb. Cans, each $9.25.

REDDICK MOLE TRAP

This is the surest, strongest, simplest and safest mole trap. When set over a regular runway the mole is bound to be caught the next time he goes through. It is set by simply pulling up the plunger rod. Made of heavy cold rolled steel, double tinned. Weight 2½ lbs.

Price, each $1.10.



PRICES ARE F.O.B. SEATTLE OR PORTLAND.

RAX

For Rats and Mice

RAX, although not poisonous, causes Rats and Mice to become sick and die, first transmitting the virus to others, causing the spread of the disease, thus increasing the mortality of the undesirables. They leave buildings and seek the open, where they remain until dead.

Wholsale slaughter of Rats and Mice results, a veritable "flu" to rodents. Properly used, buildings can be entirely cleared. One size only. Full directions each bottle.

Price 75c.

PERMANITE

The Proven Answer to Your Glazing Problems

The standard Greenhouse Putty or Glazing Compound. Never gets brittle in cold weather or softens and runs in hot weather. With it cracks in the glass are easily and permanently repaired.

Permanite Never Hardens

Permanite films over on top when exposed to the air, but below the film you will always find it soft and pliable, for Permanite is elastic.

Permanite Will Never Run No Matter How Intense the Heat

While Permanite is elastic and does not become hard, nevertheless it will never run from the surface.

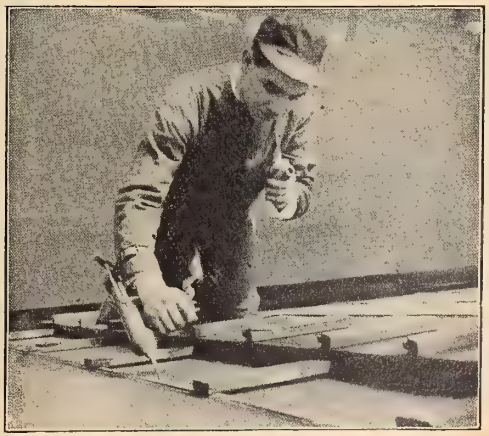
Permanite is thoroughly fabricated with long, staple asbestos. Every particle of gum is so completely reinforced that it can never separate even when exposed to the most intense heat.

Permanite Is Easily Applied

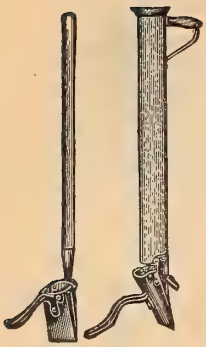
We have a new, one-handed glazing machine that will apply Permanite easily, quickly and with the smallest possible consumption of material. Many of our customers have no difficulty in glazing 350 feet of glass with one gallon of Permanite.

1-gal. cans Permanite, each ..... $ 2.25.
5-gal. cans Permanite, each ..... 11.00.
20-gal. kegs Permanite, each ..... 42.00.
½-bbl. Permanite (40 gal.), each..... 80.00.
Permanite Machine (new style), each 6.75.

Write for complete circular covering Permanite.



Planters



No. 300 No. 302

ACME HAND POTATO PLANTER

The original hand potato planter and the most popular one on the market today. The jaws are pressed steel riveted to a malleable frame in which is set the hardwood handle. Directions are secured to the handle. Weight 3½ lbs.

No. 300—Price, each $1.25.

ACME TUBULAR POTATO PLANTER

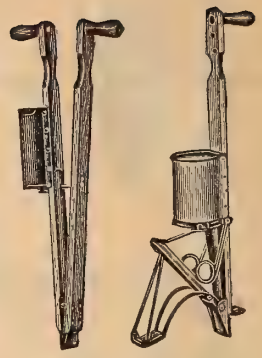
Good "hang" or balance; a comfortable handle, adjustable depth gauge and strong, sturdy construction, are special features of this planter. Galvanized iron tapered conveying tube, natural finish. No stooping. Weight 5 lbs.

No. 302—Price, each $1.90.

ACME HAND CORN PLANTER

The two-hand slide type, most widely known hand corn planter. The segmental slide is of pressed steel, adjustable to vary the drop; strong and durable and does not crack the seed. Accuracy never impaired, because steel spring cut-off does not wear like a brush. Light, durable, and easy to operate. Weight, packed for shipment 5 pounds.

No. 306—Price, each $1.35.



No. 306 No. 309

ACME ROTARY AUTOMATIC CORN PLANTER

Used in One Hand Like a Walking Stick

Can be used in either hand. This planter will accurately and easily plant your favorite number of kernels in every hill, all day long. Weight, packed for shipment, 6 pounds.

No. 309—Price, each $2.75.

MASTERS RAPID PLANT SETTER

Our Best Selling Argument Is the Work That It Does. It Makes Good Wherever It Goes.

A wonderful labor saver for transplanting cabbage, tomatoes, cauliflower, kale, and many other plants.

Any man can set 8,000 to 15,000 plants per day. Easy, pleasant work and more than three times as fast as hand setting. Each plant set, watered and covered in one operation, without any stooping.

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of water into the ground.

Don't wait for rain, set your plants when you are ready; you will scarcely lose a single plant in a whole field even in hot, dry weather. Strong and well made, will last for years, works successfully on side hills among stumps or on level ground.

Weight, each 5 lbs. **Price, each $6.00.**

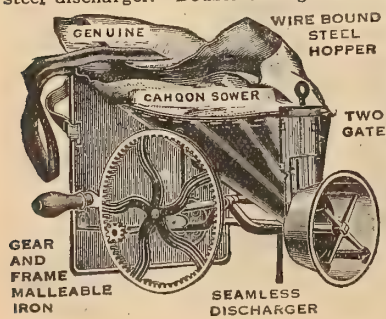
Prices are F. O. B.
Seattle or Portland

CAHOON BROADCAST SEEDER

Every Farmer Should Own One

The Cahoon Broadcast Seed Sower is a compact, easily operated machine and is guaranteed to give satisfaction in every way. Can be used for both grains and grasses and full instructions for use accompany each machine. Malleable iron frame and gears, steel shafts, sheet steel hopper and breastplate, heavy duck seed bag, seamless steel discharger. Double seed gate, a small one for clover and grass seeds and a larger one for grains and coarser seeds. Will last a lifetime. Every machine fully warranted. Packed in strong cardboard carton. Weight each 6 pounds.

Price, each $5.50.



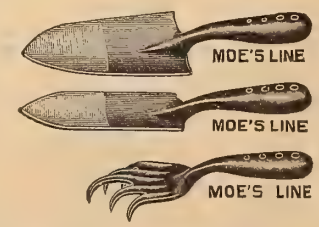
HOTBED THERMOMETER

A reliable thermometer, incased in wood, with a brass point. To be inserted in the earth in mushroom or hotbeds.

No. 1068—Hotbed Thermometer. Wt. 1 lb. Price, each $2.25.

MOE'S GARDEN TOOLS

Made from one piece of heavy steel. No wooden handles to break or come off. Strong, durable and beautifully finished. Weight, packed, 1 lb. each.



No. 80—Moe's Garden Trowel. Price, ea. **35c.**

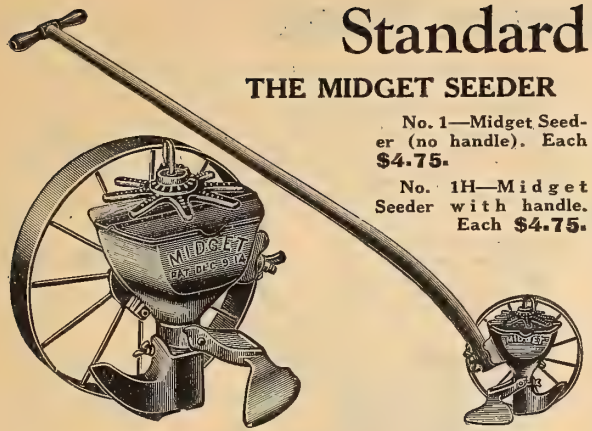
No. 81 — Moe's Transplanter. Each **30c.**

No. 82—Moe's Weeder. Price, each **35c.**

No. 83 — Complete set of three, **90c.**

Standard Garden Tools

THE MIDGET SEEDER



No. 1—Midget Seeder (no handle). Each **$4.75.**

No. 1H—Midget Seeder with handle. Each **$4.75.**

No. 1 Midget **No. 1-H**

The Midget is all metal construction but is extremely light and easy to lift about or empty. It operates very simply. The shoe is adjustable to any depth of planting. The coverer swings free and does its work nicely. The Midget will handle accurately almost any kind of garden seed from turnip to peas and beans. The hopper holds one pint yet it will drill out clean a FIVE CENT PACKAGE OF SEED just as accurately as a hopper full. It has few parts and the adjustments for different seeds are easily made. The index on top being used as a guide. Full directions for operating are attached to each Midget. It can be easily attached to any single wheel cultivator, having 5½ inches or more space between the shank and wheel, or can be operated with the single handle as shown in the illustration. Packed one in a carton. Wt. 6 lbs.

THE AMERICAN GARDENER

This single wheel cultivator with permanent attachments has a 14-in. steel oval spoke wheel with a 1¼-in. tire. Its complete equipment includes a thin blade scuffle hoe 9 inches wide, a large Moldboard Turning Plow with Landside and five strong and heavy adjustable Cultivator teeth, all of which are permanently attached to a revolving center casting.

To change it from one tool to another it is only necessary to loosen the hand wheel, turn the desired tool in place and tighten the wheel. The tools on this cultivator never get lost. Wt. complete 22 pounds.

No. G2X Cultivator

No. G2X—Cultivator. Price, each $8.25.

The Midget Seeder shown opposite can be attached on the revolving center in place of the plow.

If wanted with the Midget Seeder, order

No. G2XM—Weight complete 28 lbs. Price, each $12.25.

STANDARD SINGLE WHEEL GARDEN CULTIVATOR

This is a handy and most efficient cultivator. It runs easy, steady and in perfect balance on the light, strong 24-in. steel wheel. Has bent oak handles and is adjustable to suit the height of the operator or to regulate the depth of cultivation and due to the special shape of the shank the attachments always set at the proper angle regardless of the depth it is run.

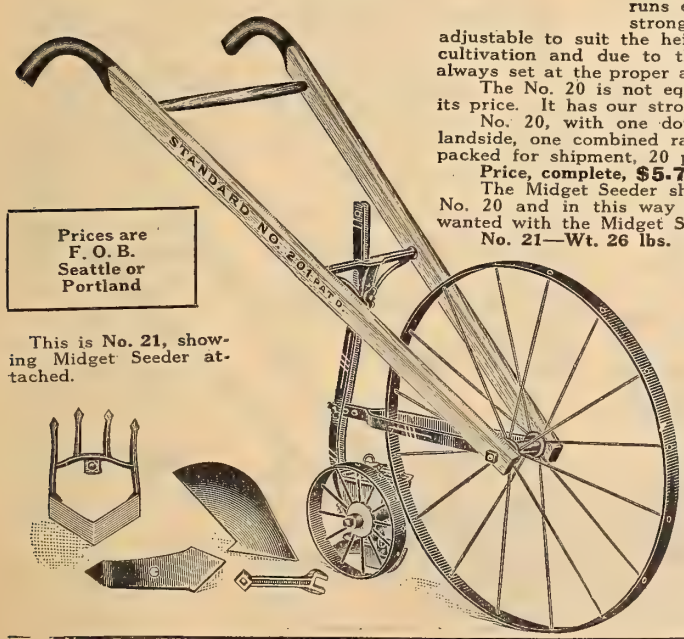
The No. 20 is not equalled by any other cultivator, at anywhere near its price. It has our strongest guarantee.

No. 20, with one double-end steel shovel, one moldboard plow with landside, one combined rake and bevel-pointed hoe, and wrench. Weight, packed for shipment, 20 pounds.

Price, complete, $5.75.

The Midget Seeder shown above can be attached to the shank of the No. 20 and in this way makes a complete wheeled gardening outfit. If wanted with the Midget Seeder, order

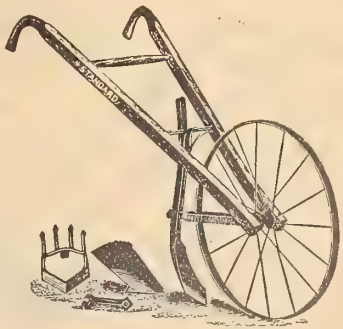
No. 21—Wt. 26 lbs. Price, each $9.75.



Prices are F. O. B. Seattle or Portland

This is **No. 21,** showing Midget Seeder attached.

A Tool like one of these makes Gardening a Pleasure



No. 20 Cultivator

Iron Age Garden Tools

SEEDERS AND CULTIVATORS

The modern garden is not made in beds, but drilled in straight rows the full length of the garden, and rapidly cultivated with wheel hoes. A combination Iron Age Tool can be obtained at small cost that will prepare the soil, drill the seed, mark the rows, and conserve the moisture by keeping the soil loose and free from weeds.

Iron Age Tools are used by men, women and children. Everyone finds them easy to push, and fast, thorough workers. Equally valuable in small gardens, as well as large.

Market gardeners use a number of different Iron Age Tools—seeders, wheel hoes, fertilizer drills, etc. These make possible accurate sowing, thorough cultivation in narrow rows where horses could not go, and the quick and correct application of fertilizers.

If you are going to buy a Garden Drill or Cultiavtor or a Combined outfit and want more information first, send for our special catalog.

THE IRON AGE No. 306 pictured below is Four Tools in One.

DRILL SEEDER — HILL SEEDER — DOUBLE WHEEL HOE—SINGLE WHEEL HOE.

In a single operation, it will open its own furrow, sow in continuous rows or drop in hills, cover the seed with loose soil, pack it with a roller and mark the next row.

It has a seed shutoff, operated from the handle. The seed adjustment is very accurate, seed hopper has a capacity of 2 qts. The wheel is 16 inches in diameter, making the machine run very easily, and the whole is mounted on a very strong arched steel frame, well finished.

COMBINED SEED DRILLS AND WHEEL HOES

For the sake of economy, we offer the Combined Tools. In using these, the sowing of seed and the cultivation are performed by the use of the same frame and handles. There are two forms — **the Combined Double and Single Wheel Hoe, Hill and Drill Seeder, and the Combined Single Wheel Hoe, Hill and Drill Seeder.** We recommend Combined Tools wherever it is not desired to change frequently from the Seed Drill form to the Wheel Hoe form, or the reverse. Our Combinations are, however, easily and quickly changed from one form to another. They are especially desirable in the home garden.

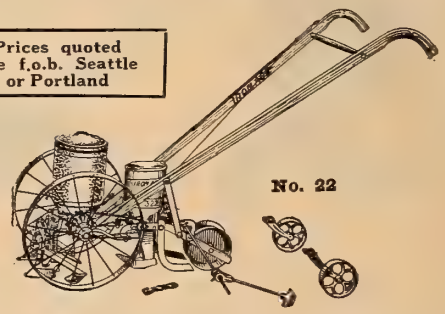
FERTILIZER DISTRIBUTORS

The No. 322 Combined Fertilizer Distributor, Hill and Drill Seeder as shown below applies the fertilizer in connection with the seed just where it will do the most good, and without injury to the seed. The flow of fertilizer is regulated by a gate, adjusted by thumb screw, and is divided in the spout, at the discharge opening, into two streams. The brass wire distributing tubes are flexible to meet necessary adjustment of the plows.

Fertilizer hopper holds four quarts.

The fertilizer distributor has TWO OPENING PLOWS—one or both may be used, and they are adjustable for depth and width also—the fertilizer can be placed as near the seed as you wish or in the same line as the drill. Flexible coverers follow the plows.

Prices quoted are f.o.b. Seattle or Portland



No. 22

No. 325—FERTILIZER DISTRIBUTOR

To Be Used as a Side Dresser

It is simply a part of No. 322—without the Hill and Drill Seeder attachment, Fig. 398, and with a small two-wheel truck at the rear. The tool can be purchased complete in this form and the Hill and Drill Seeder attachment added if needed later.

IRON AGE ATTACHMENTS

Plows (No. C26 Right) (No. C30 Left). Each.....75c
Hoes (No. C19 Right) (No. C20 Left). Each.....65c
Cultivator Teeth (No. 30A). Each.....40c
Rakes (No. C29 for either side). Each.....55c
Landside Plow, 4½-inch (Fig. 82). Each.....$1.45
Disc Cultivator Attachment (Fig. 369). Pair.....$2.80
Center Tooth Attachment for No. 301 (Fig. 112). Each.....70c
Double Moldboard Plow (Fig. 170). Each.....$1.75

For anything not listed here write for price and description.

We offer Iron Age Garden Tools for every garden purpose. By carefully studying the pictures and descriptions you will doubtless find it easy to select the right combination for YOUR need. Should any special conditions in your work make it hard for you to decide, write us fully, explaining just what you wish to accomplish, and we'll suggest the proper tool.

No. 306—As pictured below, a Combined Seeder and Cultivator. Price $17.95.

No. 310—Same Tool without Plows. Price $17.00.

No. 312 — Seeder with Hoes only. Price $15.75.

No. 301—Includes all Tools shown. Wt. 42 lbs. As shown, $10.70.

No. 306 Includes all Tools shown. Wt. 58 lbs.

No. 303 — Has Hoes only. Price $7.80.

No. 301R—Is the same Tool with Rakes. Price $11.75.

No. 315—Seeder only, no Cultivating Tools. Price $14.80.

No. 313—Has Hoes and Cultivator Teeth only. Price $9.45.

No. 301—Includes all Tools shown. Weight 42 lbs.

Planting Table for Vegetable Garden

SEED	Quantity Required	Per Acre	Depth	Dist. Apart Rows	Dist. Apart In Row	When to Sow	Ready for Use
Artichoke, Globe, Seed	1 oz. for 500 plants	6 oz.	1 in.	1 ft.	3 in.	Spring	Second summer
" Globe, Plants	17 plants for 100 ft.			3 ft.	2 ft.	Spring	Summer
" Jerusalem	3 lbs. for 100 feet	600 lbs.	3 in.	3 ft.	2 ft.	Early spring	Late summer
Asparagus, Seed	1 oz. for 500 plants	4 lbs.	1 in.	1 ft.	3 in.	Early spring	Third Spring
" Plants	50 plants for 100 ft.	1000 to 5000		4 ft.	14 in.	Spring	Second spring
Beans, Dwarf	1 lb. to 100 feet	60 lbs.	2 in.	2 ft.	4 in.	Late Spring	45 to 65 days
" Pole	1 lb. to 200 hills	30 lbs.	2 in.	4 ft.	3 ft.	Late Spring	75 days
Beets, Table	1 oz. for 50 feet	6 lbs.	1 in.	1 ft.	3 in.	Early spring	65 days
Broccoli	1 oz. for 2000 plants	3 oz.	½ in.	2 ft.	12 in.	Spring	Winter
Brussels Sprouts	1 oz. for 2000 plants	3 oz.	½ in.	2 ft.	18 in.	Early spring	Fall and winter
Cabbage	1 oz. for 2000 plants	3 oz.	½ in.	2 ft.	18 in.	Early spring	90 to 150 days
Carrot	1 oz. for 125 feet	4 lbs.	½ in.	1 ft.	2 in.	Early spring	Early summer
Cauliflower	1 oz. for 3000 plants	2 oz.	¼ in.	2 ft.	18 in.	Early spring	110 days
Celeriac	1 oz. for 3000 plants	2 oz.	⅛ in.	2 ft.	5 in.	Early spring	Fall and winter
Celery	1 oz. for 3000 plants	2 oz.	⅛ in.	3 ft.	6 in.	Spring	6 months
Chervil	1 oz. for 100 feet		¾ in.	1 ft.	4 in.	Early spring	Summer
Chicory	¼ oz. for 100 feet	4 lbs.	½ in.	1 ft.	3 in.	Early spring	4 months
Collards	¼ oz. for 100 feet	3 oz.	½ in.	18 in.	14 in.	Spring	Fall
Corn, Sweet	1 lb. for 200 hills	15 lbs.	2 in.	3 ft.	3 ft.	Late Spring	80 to 100 days
Corn Salad	1 oz. for 50 feet		½ in.	1 ft.	3 in.	Early spring	100 days
Cress, Peppergrass	1 oz. for 150 feet	12 lbs.	½ in.	1 ft.	3 in.	Spring	Summer
Cucumber	1 oz. for 100 hills	3 lbs.	1 in.	6 ft.	4 ft.	Late Spring	3 to 4 months
Egg Plant	1 oz. for 2000 plants	4 oz.	¼ in.	2 ft.	18 in.	In hot bed	160 days
Endive	1 oz. for 400 feet	4 lbs.	½ in.	18 in.	8 in.	Spring	Summer
Horseradish, Roots	70 roots for 100 feet	15,000 Roots	4 in.	2 ft.	12 in.	Spring	Fall
Kale	1 oz. for 200 feet	2 lbs.	½ in.	18 in.	12 in.	Spring or fall	45 days
Kohl-Rabi	1 oz. for 150 feet	4 lbs.	½ in.	18 in.	6 in.	Spring or fall	4 months
Leek	1 oz. for 200 feet	4 lbs.	½ in.	14 in.	4 in.	Early spring	Late summer
Lettuce	1 oz. for 400 feet	4 lbs.	¼ in.	18 in.	8 in.	Early spring	65 days
Melon, Musk	1 oz. for 60 hills	3 lbs.	1 in.	6 ft.	4 ft.	Late Spring	4 months
" Water	1 oz. for 30 hills	3 lbs.	1 in.	8 ft.	6 ft.	Late Spring	4 months
Okra, or Gumbo	1 oz. for 100 feet	8 lbs.	1 in.	4 ft.	2 ft.	Late Spring	3 months
Onion, Seed	1 oz. for 300 feet	4 lbs.	½ in.	1 ft.	3 in.	Early spring	4 to 5 months
" Sets	1 lb. for 40 feet	250 lbs.	1 in.	1 ft.	1½ in.	Early spring	Spring
Parsley	1 oz. for 300 feet	3 lbs.	⅛ in.	1 ft.	4 in.	Early spring	Summer
Parsnip	1 oz. for 400 feet	3 lbs.	½ in.	18 in.	3 in.	Early spring	4 months
Peas	1 lb. for 50 feet	60 to 125 lbs.	3 in.	3 ft.	2 in.	Early spring	8 to 12 weeks
Pepper	1 oz. for 1500 plants	3 oz.	¼ in.	2½ ft.	18 in.	In hot bed	5 months
Potato	5 lbs. for 100 feet	500 to 700 lbs.	4 in.	2½ ft.	18 in.	Spring	July to Sept.
Pumpkin	1 oz. for 30 hills	4 lbs.	2 in.	8 ft.	8 ft.	Late Spring	4 to 5 months
Radish	1 oz. for 100 feet	10 lbs.	½ in.	1 ft.	2 in.	Early spring	30 to 45 days
Rhubarb, Seed	1 oz. for 50 feet	1 lb.	½ in.	1 ft.	4 in.	Spring	2 years
" Plants	35 plants for 100 ft.	2000 plants	6 in.	4 ft.	3 ft.	Spring	1 year
Ruta Baga	1 oz. for 150 feet	3 lbs.	½ in.	15 in.	6 in.	Spring & summer	3 months
Salsify	1 oz. for 50 feet	8 lbs.	½ in.	1 ft.	2 in.	Early spring	5 months
Spinach	1 oz. for 100 feet	8 lbs.	½ in.	1 ft.	3 in.	Spring & fall	45 days
Squash, Bush	1 oz. for 25 hills	3 lbs.	2 in.	4 ft.	4 ft.	Late Spring	65 days
" Winter	1 oz. for 12 hills	3 lbs.	2 in.	12 ft.	12 ft.	Late Spring	125 days
Tomato, Seed	1 oz. for 2000 plants	2 oz.	¼ in.			In hot bed	150 days
Turnip	1 oz. for 150 feet	3 lbs.	½ in.	1 ft.	3 in.	Spring & summer	60 to 75 days

QUANTITY OF FARM SEEDS USUALLY SOWN

	Lbs. Per Acre
Alfalfa	8 to 12
Alsike	6 to 8
Artichokes, Jerusalem	600
Barley	100
Beet, Mangel or Sugar	5 to 6
Broom Corn	6 to 8
Buckwheat	40 to 60
Carrot, Stock	3 to 4
Clover, Alsike	6 to 8
" Sweet	15 to 20
" Red	8 to 12
" Mammoth Red	8 to 12
" Crimson	10 to 15
" White, for pasture	6 to 8
Corn, Field	10 to 15
" Fodder, in drills	25 to 40
" Pop	5 to 10
Emmer, or Speltz	100
Feterita	10
Flax, for seed	30
" for fiber	50
Grass, Kentucky Blue, for pasture	15 to 25
" Canadian Blue, for pasture	15 to 25
" Timothy	8 to 12
" Red Top, Unhulled	15 to 20
" Red Top, Hulled	8 to 10
" English or Perennial Rye	20 to 30
" Italian Rye	20 to 30
" Orchard	20 to 30
Grass, Meadow Fescue	20 to 25
" Brome	15 to 20
" Crested Dog's Tail	20 to 30
" Tall Meadow Oat	20 to 25
" Velvet, or Mesquite	25 to 30
" Sheep's Fescue	20 to 30
" Fine Leaved Fescue	20 to 30
" Hard Fescue	20 to 30
" Red or Creeping Fescue	20 to 30
" Pasture Mixture	25 to 30
" Hay Mixtures	25 to 30
" Sudan	15 to 25
Hemp	25 to 30
Kale, Thousand Headed	2 to 3
Kaffir Corn	8 to 12
Mangel Wurzel	5 to 6
Millet	20 to 30
Oats	85 to 100
Peas, Field	90 to 120
Potatoes	500 to 700
Rape, Dwarf Essex	3 to 5
Ruta Baga	2 to 3
Rye	90 to 120
Soja Beans	25 to 30
Sorghum, in drills	8 to 10
Turnip	2 to 3
Vetch, Common or Spring	60 to 100
" Hairy or Winter	30 to 40
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While we (The Chas. H. Lilly Co.) exercise care to have all seeds pure and true to name, we do not give any warranty, expressed or implied, as to description, quality, productiveness, or any other matter of seeds we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, we are to be at once advised, and money paid for same will be promptly refunded.

LILLY'S

Established 1885

SEATTLE

ESTIMATE BLANK

Many buyers who need Garden and Field Seeds in quantity (or any other articles listed in this Catalog) find it an advantage to receive an estimate of the total cost before ordering. This blank will save your time as well as ours and, in addition enable us to give your enquiry the prompt attention it deserves.

Just fill in below the quantities and varieties you wish to buy and return the sheet to us—we will do the rest.

QUANTITY Packets, Ozs., Lbs.	NAME OF SEEDS, ETC., REQUIRED			

DON'T FORGET TO SIGN YOUR NAME AND ADDRESS

Name.....

Post Office..... *State*.....

LILLY'S

MORCROP FERTILIZERS

CONTAIN

Blood, Tankage, Bone Meal, Fish Scrap, Muriate Potash, Sulphate Ammonia, Super Phosphate, Dried Sheep Guano

NO WEED SEEDS

FOR LAWNS

One 100-lb. sack will answer for the ordinary city lot and it is desirable that this be applied at two different periods during the season; once early in the spring as soon as the grass shows signs of growth, and again about August.

When applied to the lawn at the rate of one hundred pounds to each 2,000 square feet, almost immediate effect will be noticeable. For new lawns use 100 lbs. to each 1,000 sq. feet. One hundred lbs. of Morcrop is equal to nearly a ton of manure and is not nearly so objectionable. Morcrop is odorless and easy to handle, as it is pulverized and can be sifted into the lawn in equal dressings.

FOR VEGETABLE GARDENS

On an intensively worked garden where rows are close together and hand cultivation is practiced, Morcrop can be used to good advantage at the rate of one thousand pounds per acre. On large pieces of ground where horse cultivation is practiced, from four to six hundred pounds to the acre is sufficient.

On potatoes, less fertilizer is required if applied directly to the hills or rows and care should be taken that it does not directly touch the seed. On other crops such as squash, melons and cucumbers, it should be applied in the hill. In applying to gardens, better results will be obtained if the fertilizer is well worked into the soil.

FOR FIELD CROPS

On crops such as grain, beets, etc., apply from four to six hundred pounds to the acre in the rows and as deeply in the soil as possible. For grain, an application of two to three hundred pounds per acre will give splendid results on poor soils if the fertilizer is applied early in the season, preferably wth a grain drill or disked into the ground.

Beets, mangels, turnips, carrots and other root crops require a fertilizer which will give a good start in the earlier stages of growth, but must not be too effective in advanced stages, for it would tend to grow tops at the expense of roots. **Morcrop** will remain in the soil to feed the root gradually without forcing a growth of tops.

LILLY'S MORCROP 2-10-2

A general purpose fertilizer that has stood the test of time and made good in vegetable gardens, berry ranches, lawns and yards. Especially adapted to the Willamette Valley and Puget Sound districts.

ANALYSIS

Nitrogen as Ammonia	2% to 3%
Phosphoric Acid	10% to 12%
Potash	2% to 4%

LILLY'S POTASH SPECIAL 1-8-10

A fertilizer for the apple orchards of Wenatchee and Yakima, results in a general improvement of the orchard, increased growth of tree and greatly increased yield.

ANALYSIS

Nitrogen as Ammonia	6%
Phosphoric Acid	10%
Potash	4%

LILLY'S ORCHARD SPECIAL 6-10-4

A fertilizer used where soil is rich in nitrogen but not producing quantity and quality.
Particularly useful in orchards in which vetch is grown to furnish nitrogen.
Greatly improves the size and color of apples.

Potash used in this mixture is the genuine Kali Works imported Potash and free from the injurious effects resulting from the various substitutes used during the past few years.

ANALYSIS

Nitrogen as Ammonia	1%
Phosphoric Acid	8%
Potash	10%

(See also Page 64 of 1922 Catalog)

LILLY'S MORCROP Fertilizer

"GOOD FOR ALL CROPS"

Read What Others Say:

July 17, 1920

The Chas. H. Lilly Co.,
Seattle, Washington.

Gentlemen:

I tried one ton of your Morcrop fertilizer on part of my Raspberries this year and am really well pleased with the results.

The new shoots in particular are healthier. The color is better and in general they are large and more vigorous than where it was not used.

On the average I put on about 500 lbs. to the acre though some places as much as 700 lbs. to the acre was used.

I think it is a fertilizer of real merit and from its present showing can honestly recommend its use.

A. L. ENGDAD,

Sumner. Washington,
June 9, 1920.

The Chas. H. Lilly Co.,
Seattle, Washington.

Gentlemen::

I am glad to say that the strawberry and tomato growers around Bellevue, for whom I purchased 25 tons of your Morcrop fertilizer, are well pleased with the showing it is making.

All things considered I consider it the best fertilizer for our purpose that can be bought.

Yours faithfully,

T. TAKAZAKI.

R. F. D. 200, Bellevue, Wash.
June 8, 1920.

Aug. 6, 1920.

As a comparative test of the use and non-use of Lilly's Morcrop our field of lettuce stands today, July 17, a convincing persuader. For in six weeks' time from date of setting plants where we used Morcrop we have well developed heads of crisp, tender lettuce that started off right on the jump, grew fast and favorable. Where we did not use Morcrop the lettuce is only half as large and of not near the quality.

BOYER &
MORASKY,

Orillia,
Wn.

"Morcrop" feeds the roots without unduly forcing growth of tops.

(For Other Fertilizers Consult Index)

See also page 64

LILLY'S

PUGET SOUND SEEDS

A Good Name -Well Known

Western America's Greatest Seed House

Established 1885.